

HENRY MADDEN
California State University, Fresno

LIBRARY



3 0250 00404 2722

F 592 T54 v.32



3 0250 00404 2722

Early Western Travels
1748-1846

Analytical Index
L-Z



Digitized by the Internet Archive
in 2022 with funding from
Kahle/Austin Foundation

Early Western Travels

1748-1846

A Series of Annotated Reprints of some of the best
and rarest contemporary volumes of travel, de-
scriptive of the Aborigines and Social and
Economic Conditions in the Middle
and Far West, during the Period
of Early American Settlement

Edited with Notes, Introductions, Index, etc., by

Reuben Gold Thwaites, LL.D.

Editor of "The Jesuit Relations and Allied Documents," "Original
Journals of the Lewis and Clark Expedition," "Hennepin's
New Discovery," etc.

Volume XXXII

Analytical Index to the Series, L-Z



Cleveland, Ohio
The Arthur H. Clark Company
1907

COPYRIGHT 1907, BY
THE ARTHUR H. CLARK COMPANY

ALL RIGHTS RESERVED

The Lakeside Press
R. R. DONNELLEY & SONS COMPANY
CHICAGO

CONTENTS OF VOLUME XXXII

ANALYTICAL INDEX TO THE SERIES, L-Z	7
---	---

ANALYTICAL INDEX TO SERIES
L-Z

INDEX

- La Bacchou**, —, property confiscated, XXVII, 81.
- Labadie**, L. G., teacher, VI, 367.
- Labadie**, Sophie, married to Chouteau, XX, 108.
- Labatut**, Felix, in New Orleans, XXI, 97.
- Labbadie**, Emilie, married to Pratte, XXII, 282.
- L'Abbadie**, Sylvester, point named for, V, 42.
- Labbadie** family, merchants, XVIII, 10.
- Labonte**, Louis, in Willamette valley, VI, 261, XXVII, 386.
- Laborers**, in general, IV, 147, IX, 94, XI, 234, XII, 17, 111, XIX, 92, 93, XXIX, 91, XXX, 160; character of, in Middle West, XI, 214, 215, 223, 227, 284, 291, 292; poverty, XX, 190; independence, X, 94; advantages, 32; opportunities, V, 302; scarcity of, III, 142, 153, X, 123, XI, 198, 223, 234, 242, 245, 266, 279, XII, 16, 18, 107, 293; good market for, V, 305; in demand, VIII, 341, X, 192; abundant, XIX, 152; super-abundant, V, 304, IX, 226, XI, 163, XII, 80; agricultural, III, 304, X, 192, XI, 177, 215, 242, XII, 80, 293, XVIII, 360, XXII, 111, 125; road, IX, 71, XIII, 38, XXII, 89, XXIV, 152; in Fort Colville, XXIX, 39; St. Louis, XXII, 215; with Wyeth, XXI, 31; French, XXVII, 59; English, IV, 147, IX, 43, X, 187, 192, XI, 113, 117, 214, 278, XII, 95, 103, 155, 203; Irish, 203; Yankees, 133. See also Economic Conditions: Labor and Wages; Servants, and Trades.
- La Barre**, Le Fèvre de, governor of Canada, II, 87.
- La Barrière**, on Ottawa River, II, 76.
- Labrador**, Post in, I, 178.
- "**La Cache**," home of Blennerhassett, IV, 320.
- La Cañada**, revolt in, XIX, 272, 274, 276.
- Lacassagne**, Michael, in Kentucky, III, 18, 66, 89; in New Orleans, IV, 362-364.
- Laceechnesharu** (Lachelecharu). See Knife Chief.
- Lacepede**, Bernard Germain Etienne de la Ville, Count de, sketch, XVI, 43; completes Buffon's work, 37.
- Lacerta** (*scincus*), *5-lineatus*, XV, 324; *undulata*, 324; *vittata*, XIII, 235.
- La Chapelle**, —, Astorian blacksmith, VII, 215; robbed, 266; killed, 267.
- La Chapelle**, —, Indian interpreter, XXII, 336, XXIV, 92.
- La Charette** (Mo.), VI, 27; called St. John's, V, 42; Brackenridge in, VI, 38; Bradbury, V, 42, 43.
- La Chevelure levée**. See Bidda Chohki.
- Lachine** (Canada), significance of term, II, 74, 186; in Revolution, 54; place of embarkation, 74, 75;

LACHINE (continued)—

- Astorians in, VII, 42, 176; carters, 76; Lapensée, VI, 362; Long, II, 213; described by Flint, IX, 326; sketch, 313.
- L'A—— d, Gen. H., refugee, XII, 318.
- Lac les Puans. See Bays: Green.
- Lachpitzzi-Sihrish (yellow bear), Minitaree chief, XXIII, 218; dress, XXIV, 27, 66; present to Fort Clark, 66.
- Lack-Bow Indians, population, XXVII, 166.
- Laclede, Pierre (Peter La Clade), site of St. Louis selected by, XXVI, 145, 146; St. Louis founded by, III, 71, XIV, 108, XXI, 43, XXII, 216; at Arkansas Post, IV, 298, XXVI, 148; sketch, III, 71, 72.
- Lacock, Gen. Abner, pioneer, IV, 99, IX, 97; in Seminole War, IV, 99; meets Flint, IX, 97.
- La Combe, Father —, in St. Ann's mission, XXIX, 232.
- La Condamine, —, on velocity of Amazon and Ganges, XIV, 218.
- La Croix, Father Charles de, missionary, XXVII, 201, 202; in St. Louis, VI, 403.
- Lacrosse, Indian game, II, 89, 90.
- Lactuca* (or *prenanthes*), new species, XXIII, 35.
- "Lady Bird," American vessel, VI, 219.
- Lady-birds, observed by Maximilian, XXII, 196.
- "Lady Marshall," packet-boat, XXVI, 46.
- "Lady Scott," Ohio River steamboat, XXIV, 145.
- Lafantaisie, Jacques, on "Tonquin," VI, 194; accident, VII, 205.
- Lafayette, Marie Jean Paul Roch yves Gilbert Motier, income, XI, 259; visit to United States, XX, 267; in Revolution, III, 39, 311, 348, IV, 93; in New Geneva (Pa.), III, 336; saved by Cusick, XIX, 149; letters, X, 49, XI, 240.
- Lafayette (Ind.), Fort Ouiatonon in, I, 117; Wabash and Erie canal, XXVI, 66.
- Lafayette (Oregon), Hembree family in, XXX, 174; Risley, 51.
- Lafayette County (Mo.), boundary, XIV, 166; rivers, 165; creeks, VI, 54; settlement, XXII, 247.
- La Feuille, Indian chief. See Wabasha.
- Lafitte, —, pirate colony, XXVIII, 149.
- Laffèche, Father L., missionary, XXIX, 255.
- La Flesche, Francis, *Middle Five*, V, 86.
- Lafontaine, —, Indian interpreter, XXIII, 15, 16.
- Lafontaine, Louis Hypolite, *L'esclavage en Canada*, II, 117.
- Lafora, —, cited, XVII, 237.
- La Forest, —, proprietor of Fort St. Louis, XXVI, 141.
- La Forme, Joseph, trader, killed by Indian, II, 153, 154.
- La Fourche Parish (La.), La Fourche River in, IV, 353, XIII, 312.
- La Framboise, Joseph, erects fort, XXII, 315.
- Laframboise, Michel, interpreter, VII, 248; establishes fort, XXI, 352; on "Tonquin," VI, 194.
- La France, —, fights Indians, V, 202, 203.

- La France, Joseph, Indian traveller, II, 134.
- Lagera, Don Francisco Pablo de, mine owner, XVIII, 180.
- Laggan (B. C.), location, XXIX, 212, 218, 226.
- La Gineolet, French-Canadian dance, XIV, 274, 275.
- Laguna (N. Mex.), pueblo of, XX, 72.
- Laguna Colorada, Gregg in, XX, 205.
- La Guthrie, Indian interpreter, I, 148.
- La Harpe, Jean François de, cited, XXVII, 297.
- Lahontan, Louis Armand Delondarce, authority on Indians, XIII, 239, 322; author, II, 13; quoted, 36, 44, 193, XVI, 47, XXIV, 163; sketch, II, 28.
- Laidlaw, William, fur-trader, XXII, 233, 378; in Fort Pierre, 316, 328, XXIV, 66; Maximilian entertained by, XXII, 317, XXIV, 88, 92; farewell to Maximilian, XXII, 332; on "Assiniboin," 330; trading caravan escorted by, XXIII, 226; feasted by Indians, XXIV, 89; supplies, 89; express to Fort Clark, 92; Bad Lands described by, 90; ill, XXIII, 238; sketch, XXII, 316.
- L'Aigle (Ill.), location, XIX, 60.
- La Jemerais, Christophe Dufros, sieur de, explorer, I, 109.
- La Jonquière, Jacques Pierre de Taffanel, marquis de, I, 61; erects Fort Duquesne, III, 342, XIX, 28, XXVII, 91.
- La Junta (Colo.), location, XX, 138; Long in, XIV, 15, XVI, 62.
- Lake County (Ohio), town in, XXIV, 160.
- LAKES: in Arkansas, IV, 297; Canada, XXIV, 160; Cœur d'Alène valley, XXIX, 290; Columbia River, 143, 190; El Paso, XVIII, 155; Great Western Prairie, XX, 132; Illinois, XIX, 55, XXVI, 190, 234; Mamelle Prairie, 288; Mexico, XVIII, 101, 313, 359; Mississippi, IV, 307, XXVI, 266; Puget Sound, XXX, 294; Rocky Mountains, XVI, 20; St. Clair, VIII, 288; Santa Fé, XIX, 281; ancient, XXVII, 109; dry, XVIII, 15, 206, 377; salt, 350, XIX, 311; subterranean, VIII, 242.
- Abittibi (Abbitibbi, Abitibee, Arbitibis), location, II, 27, 114, 121, 196, 200; Indians on, 145, XXVII, 165; North West post, VIII, 230.
- Alachua, site, XXVI, 214.
- Alemipigon. See Nipigon, below.
- Ann, location, XXIX, 257.
- Atchafalaya (Grand Lake), outlet, XVII, 60.
- Athabasca (Lake of the Hills, of the Mountains), VI, 354; connections, XVII, 239; Indians on, XXIX, 254; Mackenzie, XVII, 236; traders, VI, 376; trading-post, XXIX, 132; mission, 255; described, 43; sketch, 254.
- Babine, Indians on, XXIX, 278; fort, 59.
- Bear, sketch, XXX, 78.
- Bear (Connolly), Father Demers on, XXIX, 120; population (1846), 278; sketch, 120, 121. See also Leach, below.
- Big, as a boundary, XIII, 296.
- Big Broth (Bistineau), Sparks on, XVII, 69; described, 69, 70.
- Black, Natchitoches Indians on, XVII, 68.
- Black Eagle (L. of the, de l'Aigle Noir), De Smet on, XXIX, 251.

LAKES (continued)—

- Blake's. See de Nef, below.
- Bonneville. See Salt, below.
- Borgne, location, VIII, 340.
- Bourbon (Cedar), English name for, VI, 377; North West brigade on, 376, 377; sketch, 377.
- Bridge, origin of name, VI, 370.
- Burnt (Brulé), location, XXIX, 252; Rocky Mountain House on, VI, 357.
- Caddo, Indians on, XVII, 71.
- Canandaigua, origin of name, XXIV, 179; road, VIII, 41, 42; described, 129.
- Caribou, in Nipigon district, II, 118; mission on, XXIX, 255.
- Cark Cark Sakiegan. See Crow's Nest, below.
- à la Carpe, in Nipigon district, II, 87.
- Catahoula, described, XVII, 60.
- Cayman, tributaries, XX, 163.
- Cayuga, origin of name, XXIV, 179; size, VIII, 127; Indians on, I, 167, VIII, 127; Erie Canal near, 120; turnpike, 56; bridge, 127; Buttrick on, 88.
- Cedar. See Bourbon, above.
- Chalco, location, XVIII, 378.
- Champlain, country described, VIII, 177; limestone, XVII, 245, 248; sandstone, XV, 182; fish, XIV, 45; trees, 70; as a boundary, II, 46, VIII, 180, IX, 122; strategic importance of, II, 202, 207; in Revolution, 54; campaign of, I, 163, 296; Fort Anne near, XVII, 237; Brewer on, I, 103; Franchère, VI, 190.
- Chelan, military post on, VII, 149.
- Chouteau's Pond, site, XXVI, 164.
- Clear (Grand Marais), described by Flag, XXVII, 108.
- Cœur d'Alène (Pointed Heart, Sketchhugh), how formed, XXIX, 38; outlet, 78; source of Spokane River, XXVII, 366; tributaries, XXIX, 290; Indians on, XXVII, 283; De Smet, 362; McLennan, VII, 211; described by De Smet, XXVII, 365, 366; by Wilkes, XXIX, 82; sketch, VII, 211.
- Cold Spring, originally Goose Egg, XXII, 368; canal to Missouri, 368; Maximilian on, XXIV, 84; sketch, XXII, 368.
- Columbia, trading-post near, VII, 210.
- Committee's Punch Bowl, described, VI, 353.
- Connolly. See Bear, above.
- Cranberry, near Lake Superior, II, 144, 175.
- Crater, outlet, XXIX, 82.
- Cross (Lac à Traverse), fur-traders on, VI, 377; sketch, 377.
- Crow's Nest (Cark Cark Sakiegan), location, II, 119; described, 144, 145; game at, 175.
- Cumberland. See Sturgeon, below.
- Dead Man's (Lac la Mort, Laguna del Muerto), Long at, II, 91-132; described, 88; described by Gregg, XX, 153.
- De Boey, mission on, XXIX, 291.

Devil's, location, XXII, 282; Sioux on, 342; battle of, 387.

Dog, Astorian brigade on, VI, 385; North West brigade, 385.

Eagle, in Nipigon district, II, 10.

English. See Sturgeon, below.

Erie, climate on, VIII, 160, 179, 184; country described, 188, IX, 314, 315; prairie on, 309; elevation, 321, XVII, 179; divide, IX, 308, XXIV, 157; depth, VIII, 184, IX, 315, XXIV, 174; bay on, VIII, 181, IX, 310; falls, VIII, 177; islands in, 239, 240, IX, 314; storms, VIII, 239, 240, IX, 314; tides, I, 326; tributaries, II, 49, VIII, 186, IX, 284, XVII, 110, XIX, 67, 82, XXIV, 152, 164; Black River, VIII, 192; Huron, 193; Maumee, I, 151; Miami, XIII, 322; Niagara, IX, 321; Raisin, VIII, 210; Sandusky, IV, 162, VIII, 199, 264; portage to Allegheny, III, 162, XIV, 56; connected with Buffalo Creek, VIII, 183; Lake Champlain, 180; Hudson River, 120; Illinois, IX, 186; Muskingum, III, 178, X, 73; Potomac, IX, 96; Ohio, I, 102, XXIV, 146, 157, 158; Scioto, XXII, 153; Wabash, XXVI, 66; as a boundary, IV, 144, VIII, 186, 187, 221, 255, 258, IX, 184, X, 70, XIII, 175, XVII, 107, 109, 179, XXI, 24, XXIV, 176; navigation on, VIII, 239; commercial highway, I, 12, VIII, 79, 222, 249, XII, 213, XIX, 81, XXII, 17, XXIV, 176; steamboats, IX, 314; passenger transportation, VIII, 222; harbors, III, 339; lake ports, XXIV, 160; roads, VIII, 41, 56, 118, XIX, 141; fortifications, I, 101, XXVII, 74; Indians on, I, 19, 76, 168, II, 46, 61; in Northwest Indian War, III, 178; War of 1812-15, I, 56, 151, VI, 17, 364, 394, VIII, 182; settlements on, IV, 91, VIII, 42, 206; Irish on, XVIII, 342; Mormons, XXVI, 358; Bradstreet, I, 153, 326; Bullock, XIX, 119; Clinton, IX, 166; Croghan, I, 47, 51, 166; Evans, VIII, 181, 184, 187-190, 223, 237; Flint, IX, 298, 313; Morris, I, 303; Rogers, 51, 106, 107; Welby, XII, 270; described by Bullock, XIX, 142; Evans, VIII, 184, 185; Maximilian, XXIV, 158-161; sketch, 160; view of steamboat, XXV, 32.

Flat Bow. See Kootenai, below.

Flathead (Tête plat), tributaries, XXIX, 272; fort on, 41; De Smet, XXVII, 359, 360, XXIX, 203; described, 271; sketch, XXVII, 359.

Fraser, Indians on, XXIX, 182; trading-post, 56; population (1846), 278.

Fresh Pond, as a boundary, XXI, 23; described by Wyeth, 26.

Frontenac. See Ontario, below.

Genesee (Jenesee), Long visits, II, 210, 211.

George, Indians on, I, 167; fort on, IX, 328, XXIX, 59; in French and Indian War, I, 192; battle on, 88, 163, II, 211; history, 202.

Goose Egg. See Cold Spring, above.

Grand (La.), Indians on, XIII, 179.

Grand (Miss. River), IV, 301. See also Atchafalaya, above.

Grand Morass Pond, location, XXIV, 136.

Great, as a boundary, V, 273, X, 268, XI, 288, XIV, 48, XVII, 105, 107, XIX, 28, XXVI, 70; geology of, XXVII, 115; theory of, 109, 110; primitive rocks, XVII, 251; breezes, IX, 307; connected with Ohio River, XIX, 151; route to Mississippi, VII, 178; periodical rise and fall in, XII, 17; unhealthfulness of surrounding country, 17; cholera on, XXII, 58, 127; bison on, XV, 245; mythical serpent in, XXIII, 380; highway, V, 258, XXII, 12; Marquette and Joliet on, XXVII, 35; harbor improvements, XIV, 41; public sale of lands, XII, 17; forts on, XXVI, 138; controlled by English, XXVII, 88; Indians on, XVIII, 31, XX, 339, XXIV, 163, XXVIII, 156; Louis Philippe, III, 217; United States troops, XIX, 187.

Great Bear, Indians on, XXIX, 232; Mackenzie, VII, 181.

Great Salt. See Salt (Bonneville), below.

LAKES (continued)—

Great Salt, Indian name for Pacific Ocean, VII, 276.

Great Slave, tributaries, XXIX, 43, 254, 263; compared with Winnipeg, VI, 378; Indians on, XXIX, 232; traders, VI, 376; described, XXIX, 43.

Henry's, pass, XXIX, 30; source of Henry's River, XXVII, 252; Flatheads on, 175.

Hills (L. of). See Athabasca, above.

Histoppa-Numangka (place of tattooed countenance), in Indian folk-lore, XXIII, 339.

Humboldt, tributaries, XXVIII, 113.

Huron, location, II, 34, 51; tributaries, I, 168, VI, 397, VIII, 231; lake connections, 227, 233, XVII, 179; second to Superior, VIII, 229; channel in, 161; islands, 231; as a boundary, 221, XXI, 24; Indians on, I, 168, II, 47; Indian land grants, 217; fur trade, VI, 188; commerce, VIII, 222; Evans on, 223; Long, II, 76; Rogers, I, 123; described, VIII, 229, 230.

Illinois. See Peoria, below.

Illinois (L. of the). See Michigan, below.

Island, location, XXIX, 257; De Smet on, 256.

Islands (L. of), location, II, 10.

Itasca, fur trade on, XXII, 233.

Jackson, situation, VII, 182.

Jasper, trading-post on, VI, 357; described, XXIX, 251, 252.

Kalispel (Kulluspelm). See Pend d' Oreille, below.

Kamloops, outlet of Thompson River, VII, 159; trading-post on, 199; described by Wilkes, XXIX, 82.

Karamip (Sharrameep), De Smet on, XXVII, 372.

Klamath, tributaries, XXIX, 46; mountains near, 35; road, XXX, 173.

Kootenai (Flat Bow), sturgeon in, XXIX, 199; described, 82; sketch, 82, 83, 199.

La Biche (Red Deer), Déjarlais on, VI, 367; described by Franchère, 366.

Lac la Croix, trade route, VI, 384.

Laguna de Encinillas (Lake of Live-Oaks), described by Gregg, XX, 159.

Leach (White Bear, Bear), location, VIII, 235; source of Mississippi, 296; Indians on, XXVIII, 156.

Lesser (Little) Slave, route from Superior, VI, 367; Hudson's Bay Company, 251; trading-post, 298, XXIX, 248; traders, VI, 380.

Long, Astorian brigade on, VI, 370.

Long Pond, described by Maximilian, XXII, 100, 101, 194.

Lower Arrow, size, XXIX, 271; how formed, 40; country described, 272; Astorians on, VI, 348; described, 348, XXIX, 40.

McLeod's, population, XXIX, 278.

Manontoye, in Nipigon district, II, 88, 155; Long visits, 95-112, 139; described, 113.

Marais Croche (Crooked Swamp), bed, XXVI, 275.

Marais Temps-Clair (Clear-weather swamp), described by Flagg, XXVI, 275; site, 276.

Maurepas, size, VIII, 338.

Medicine (Mindawacong, Spirit), Indians on, XIV, 275, XXII, 279, 305.

Michigan, location, II, 51; as a boundary, VIII, 221, 290, X, 238, 270, XVII, 109, 178, XIX, 53, 67, XXI, 24; tributaries, VIII, 285, XVII, 110, XIX, 54, 67, XXVII, 41; canal to Illinois, VIII, 291, IX, 186, XIX, 62, XXVI, 126; connected with Huron, VIII, 231; trout in, 231; flies on, XI, 144; geological formation, 281; character of soil, VIII, 233; hills near, XVII, 190; wilderness, VIII, 229; Green Bay on, IX, 317; Cape Townsend, VIII, 232, 233; Indians on, I, 169, VIII, 285, XIII, 122; in Indian legend, XXIX, 377; Hennepin on, XXVII, 40; La Salle, XIX, 46; Marquette, XXVII, 41; commerce, VIII, 222; Evans, 223; Eveleth buried in, 233; described, 231.

Mille Lacs, outlet, XXVIII, 153; trade route, VI, 384.

Minnititi. See Woods, below.

Mississagan. See Red, below.

Moose, outlet, XXIX, 252; trail, VI, 368, 369.

Mountains (L. of). See Athabasca, above.

Muddy (Lac Vaseaux), North West Company brigade on, VI, 376; sketch, 377.

Namakam, trade route, VI, 384.

de Nef, sketch, XXIX, 302.

Newman's, tributaries, XXVI, 214.

Nipigon, location, II, 27, 133, 155; Long at, 86, 87, 133; described, 87, 121.

Nipissing, location, II, 34, 76; tributaries, VI, 397.

Northern, cliffs, XXVII, 111; as a boundary, XXVI, 143, 309.

Ocatahoola, how formed, XVII, 60.

Okanagan, country described, XXIX, 37; Indian rendezvous, XXVII, 372; described, XXIX, 82; sketch, XXVII, 372, 373.

Oneida, Indians on, I, 167; manufactory on, XXIV, 184.

Onondago, origin of name, XXIV, 179; Indians on, I, 167, VIII, 126.

Ontario (Frontenac), as a boundary, VIII, 41, 179, IX, 122, XXI, 24; origin of name, XXIV, 179; depth, IX, 321, 322, XXIV, 174; level, 164; does not freeze, VIII, 162-164; tributaries, II, 45, 48, VIII, 134, 166, XXIV, 184; islands, VIII, 161, 177; fish, 181; country described, 177, XXIV, 174; secondary formation, XVII, 253; character of soil, VIII, 180; climate, 159, 160, 179; Indians on, I, 31, 167, II, 44, 46; Indian mounds, XIX, 83; roads, XXIV, 173; navigation, VIII, 159; commercial highway, II, 48, VIII, 249; forts on, 45, 60, XIX, 45, XXVII, 37; Kingston, IX, 322; Americans, VII, 35; fur-traders, 35; Evans, VIII, 148; Loyalists, II, 44; described, VIII, 177, IX, 321, 322; view, XIX, 148.

Original (Lac d'), trading-post on, VI, 295.

Oswego, origin of name, XXIV, 179; boats on, 181.

Otter Tail, trail, XXVIII, 152.

Patos (Lake of Geese), location, XX, 158; tributaries, 159.

Pend d'Oreille (Kalispel, Kulluspelm), location, XXIX, 192; re-named, 83; how formed, XXVII, 300; tributaries, XXIX, 271; roads, 194; Indians on, XXVIII, 16; trading-post, VI, 252; De Smet, XXVII, 347, XXIX, 192, 262; described, XXVII, 339, 340, XXIX, 40, 41, 82; sketch, XXVII, 339.

Peoria (Illinois, Pinatahwee), size, XIX, 54; tributaries, XXVI, 133, 134; Flagg on, 141; La Salle, XXVII, 37; described, XXVI, 134-136.

Pepin, Sioux Indians on, XXII, 278; Carver, XV, 127.

LAKES (continued)—

Pointed Heart. See Cœur d'Alène, above.

Pontchartrain, size, VIII, 338; connection with Mississippi River, XIII, 314, XIX, 122; road, VIII, 63; Indians on, XIII, 357; Bullock, XIX, 127; Buttrick, VIII, 61; seminary, XVIII, 25; sketch, VIII, 61.

Priest, formerly Roothan, XXIX, 271.

Puant. See Winnebago, below.

Quesnel's, described by Wilkes, XXIX, 82.

Rainy, location, VIII, 235; size, VI, 384; fur-traders on, 389; sketch, 384.

Red (Mississagan), location, VIII, 235.

Red (le Rouge), in Nipigon district, II, 102; origin of name, 117, 118.

Red Deer. See La Biche, above.

Red Rock, tributaries, XXVII, 175; De Smet on, 176.

Roothan. See Priest, above.

St. Anne, outlet, XXIX, 250; fish in, 250; De Smet on, 250; mission station, 231.

St. Clair, how formed, VIII, 227; tributaries, 227; distance from Detroit, 227; as a boundary, 221, 230; described, 227.

St. Croix, fur trade on, XXII, 233.

St. Francis, described by Flint, IX, 324.

St. John, Indians on, II, 194; Long visits, 12, 196.

St. Louis, described, IX, 325, XXVI, 163.

St. Peter's, trading-post on, II, 197; described, IX, 328.

St. Sacrement (Lac du). See George, above.

Salt (Bonneville, Great Salt), XVIII, 15, 206; as a boundary, XXVIII, 113, 227, 248, 312; salt in, V, 243; tributaries, XXI, 198, XXVII, 244, XXVIII, 289, XXX, 83; mountains near, XXVIII, 280, 304, XXX, 85; route to California, 70; trading-post, XIX, 238; Indians on, XXI, 192, XXVIII, 261; Bridger, XXVII, 299; Farnham, XXVIII, 294; Hunt, VI, 113; Mormons, XXIX, 371, 372; Smith, XIX, 238; described, XXI, 198, 199, XXVIII, 295; sketch, XXI, 199, XXVIII, 295.

Salt (Le Sel), in Nipigon district, II, 118; trader killed at, 153.

Sandusky, Croghan on, I, 109, 123.

Savanue, location, II, 122, 123.

Schabeecheran, location, II, 118, 146; trader at, 131, 146; Long returns to, 146, 147; fish in, 147, 148, 150.

Seneca, VIII, 42; origin of name, XXIV, 179; roads, VIII, 41, 56; Erie Canal, 120; military district, 127; Buttrick on, 88; described, 129.

Shaboomoochoine, Long on, II, 196-200.

Sharrameep. See Karamip, above.

Shekarkistergoan. See Skunk Head, below.

Shuswap, Nobili on, XXIX, 275.

Simcoe, River Severn near, VIII, 230.

Sketchhugh. See Cœur d'Alène, above.

- Skunk, II, 152; Long at, 146.
- Skunk Head, location, II, 155; trader at, 157.
- Slave, connections, XVII, 239; mission on, XXIX, 231; Stuart, VI, 347.
- Small, Fort Le Bœuf near, III, 339.
- Spirit. See Medicine, above.
- Stinking. See Winnebago, below.
- Stuart, outlet, XXIX, 58; tributaries, 81; Indians on, 182; trading-post, 56; fort, XXI, 315, XXIX, 276; chapel, 143; population (1846), 278; described, 82.
- Sturgeon (Cumberland, English), location, II, 88; trading-post, VI, 376; fort, 376; fishing, 376; Long at, II, 137; described, 98, 99.
- Summit, described by Maximilian, XXIV, 157; sketch, 157.
- Superior (Tracy), II, 34, 168; as a boundary, VIII, 290, XIV, 48, XVII, 177, 235, 236, 239, XXI, 24, XXIX, 53; early name, II, 80; location, XVII, 236; area, VIII, 229, 234, XXIV, 179; Winnipeg compared with, VI, 378; outlet, XXVIII, 156; tributaries, XVII, 232; water system, VI, 385, VIII, 233; channel, 161; character of soil, 233; primitive rocks, XVII, 243; sand-stone, 206; geological surveys, XXIV, 144; country near, II, 27, 55; animals, XV, 169; explored by French, I, 110; Carver, II, 30; Indians on, I, 169, II, 134, XIII, 177, XXIII, 190, XXVIII, 152, 156; trails, VI, 367; trade routes, 384; navigation, II, 143; shipping, 81, VI, 401; trading-posts, VIII, 230, XXVIII, 380; fur trade, II, 10, 11, 51, VI, 188; Fort William, 298, 304, 386; Franchère, 391; McLoughlin, XXI, 296; North West Company, VI, 375, 388; Selkirk, 381; described, II, 79-81, VIII, 234, 235.
- Superior. See Upper Arrow, below.
- Swan, Sparks on, XVII, 70.
- Temiscaming (Tamiscamine), location, II, 191; Indians on, 191; fur trade post, VIII, 230.
- Tezcuco, location, XVIII, 378.
- Tracy. See Superior, above.
- Traverse, fur-traders on, XXIII, 225, XXIV, 97; trading-post, XXII, 233, XXIII, 226, 227; Laidlaw on, 226. See also Cross, above.
- Trout, in Nipigon district, II, 10.
- Trout, described by Farnham, XXVIII, 375.
- Two Mountains (L. of the), Indians on, VI, 307; mission village, II, 76, VI, 307; Franchère on, 399; Long, II, 58, 70; sketch, 58, 61, VI, 399.
- Two Sisters (L. of the), II, 119.
- Upper Arrow (Superior), size, XXIX, 271; described, 41; population (1846), 279.
- Upper Columbia, altitude, XXIX, 206; outlet, 206; Hot Springs near, 208; portage, 209.
- Waratonba, North West post on, VIII, 230.
- White Bear. See Leach, above.
- Windermere, outlet, XXIX, 206.
- Windigoostigwan, trade route, VI, 384.
- Winnebago (Lac Puant, Stinking), location, VIII, 232; outlet, 291; water system, 232, 291; Indians on, 127, 232, 233, XXIV, 313; Stuart, VI, 369.
- Winnipeg (Ouinipigue, Winipick), as a boundary, XXII, 387; location, II, 87; outlets, VI, 85, 377; tributaries, XVII, 237, 239, XXVIII, 147, 153, 340, XXIX, 216, 230, 263; rapids near, VI, 377;

LAKES: *Winnipeg* (continued)—

Indians on, XX, 297, XXIII, 191, XXVIII, 156; canoe route, VI, 378, 379; fur trade, II, 10, 168; explored by French, VI, 382; Franchère on, 17; McDougall, 405; described, 378.

Woods (L. of, Lac des Bois, des Isles, Minniti), as a boundary, VIII, 290, XXIX, 53; origin of name, VI, 382, 383; location, VIII, 235; portage, II, 137, VIII, 234; islands in, XXII, 296; Indians on, VI, 383, XXIII, 191; Jesuits, 383; sketch, 382, 383.

Xochimilco, location, XVIII, 378.

Yellowstone, Three Tetons near, VII, 182.

Lalande, Alexander, in Kaskaskia, XIX, 174.

Lalande, Baptiste, expedition to Santa Fé, XIX, 174, 175.

La Liberty, —, with Crooks, V, 76.

La Main pleine de Sang. See Little Hawk.

Lamalle Indians, Kalapuya tribe, VII, 230.

Lamar County (Tex.), river in, XVII, 79.

Lamazu. See Kasaiscall.

Lamb, —, plats Chester (Ill.), XXVII, 23.

Lamb, Caleb, Indian trader, I, 62.

Lambdin, James R., in Pittsburg, XXII, 139.

Lambert, A. B., botanist, III, 15, XIV, 154, XXII, 186.

Lambert, Capt. James L., commands "May D'Acree," XXI, 305; on Willamette River, 305; relations with Indians, 307; Mount Coffin visited by, 309; Indian lodges, 312; on Baker's Bay, 313; in Fort William, 323; sketch, 306.

Lamberton, Robert, postmaster, IV, 48.

Lamium amplexicaule, observed by Long, XIV, 61.

Lamme, Samuel Craig, scalped by Indians, XIX, 186.

Lamoil, —, in Prairie du Rocher, XIX, 59.

Lamont, Daniel, fur-trader, XXII, 233, 314, 378; in St. Louis, 328, XXIII, 229; directs Fort Clark, 229; farewell to Maximilian, XXIV, 130.

Lamothe, Capt. Guillaume, British officer, II, 55-57.

Lamps, antique, XXVII, 62; silver, XVIII, 379; oil, XIX, 297.

Lancaster, Joseph, educator, XI, 58, XII, 65, 66; founds educational system, 204, XIV, 66; in Baltimore, XII, 67; London, XI, 33; Philadelphia, 107; Washington, XII, 22; advocates education of Indians, 23; letter by, XI, 114, 115; sketch, 58.

Lancaster (New Lancaster, Ohio), character of country, X, 71; quality of soil, IX, 308; road, IV, 221; Zane founds, 226; Cuming in, 8, 131, 232; Faux, XII, 16; Flint, IX, 298, 304; population, IV, 222; described, IX, 305, XII, 16; sketch, IV, 222-224, IX, 305, X, 71.

Lancaster (Pa.), minerals in, XIII, 37; pyrites, 151; Indians, I, 64, XIII, 37; massacre, IV, 43-46; settlement, 30; capital, 32; size, IX, 65; roads, I, 238, III, 133, 134, 187, 313, IV, 29; manufactures, IX, 65, 66, XXII, 78; Barton, III, 97; Cresap, I, 95; Cuming, IV, 29, 33; Harris, III, 370, 373; Hull, IV, 57; Hulme, X, 35, 82; Lacock, IV, 199; A. Michaux, III, 27, 51, 52, 149; F. A. Michaux, 134-136; Muhlenberg, 135; Nuttall, XIII, 35, 36; Post, I, 290, 291; Trent, 56; Welby, XII, 178; compared with Fredericktown (Md.), 22; described, III, 135, 139, IV, 31, 32, XII, 181, 182; sketch, III, 135.

Lancaster County (Nebr.), Big Nemaha River in, XIV, 216.

Lancaster County (Pa.), Conoy in, I, 90.

Lances, as equipment, XVIII, 47, 330, XIX, 206, 235, XX, 267, XXIX, 384; Indian weapon, VII, 255, 300; ornamented, XXIII, 204, XXIV, 79; used for show, XXIX, 384. See also Indians: Weapons.

Landry (Landrie), François, Astorian trapper, VII, 215, 266; murdered, VI, 344.

LANDS —

Indian lands: IV, 43, 89, 127, VIII, 292, XII, 132, XIII, 177, XXI, 103, XXIV, 163, 175, 182, XXVIII, 128, 131, 140; claims, I, 237, IV, 114, VIII, 42, IX, 185, XIII, 192, XXII, 177, XXIV, 187; cessions of, I, 28, 214, II, 50, VII, 138, VIII, 184, 200, X, 62, 334, XII, 49, XIII, 117, 133, 213, 305, 306, XIV, 185, XVI, 277, 280, XVII, 26, 28, XVIII, 31, 33, XIX, 61, 77, 196, XX, 249, 300, XXI, 122, XXII, 96, 178, 179, 217, 225, 245, 249, 266, XXIV, 183, 184, XXVII, 141, 153, 184, XXVIII, 117, 119, 124, 125, 128, 132, 135, 137, 138, 141, 143, 149, XXX, 175, 184; purchases from, I, 90, 186, IV, 293, VIII, 89, 209, 280, 285, IX, 84, 185, 249, XIII, 88, 281, 282, XIV, 92, XVII, 155, XIX, 69, XX, 59, XXIV, 175, 183; leases, V, 86, XXVIII, 147; reservations, VIII, 126, XIX, 141, XXII, 251, 254, 256; boundaries, XIII, 119, 132, 133, XXVIII, 136; land agencies, XXII, 266, 267; purchases by Indians, XX, 310, XXVIII, 130, 137; allotments to, XIX, 270, XXII, 96, XXVII, 283, 387, XXVIII, 121, 124, 125, 131, 134-137, 140, 142, 146, 150, XXIX, 153; grants to missionaries, IV, 312, XXIX, 201.

Public: cessions to United States, III, 347, IV, 160, 271, 280, 298, 323, VIII, 233, XIX, 79, XXI, 43, 242, XXII, 178, XXVI, 164; to states, III, 50, 184, VIII, 196, XXVI, 306; abundance of, XI, 184, XII, 80; unappropriated, V, 286, IX, 185, X, 334; appropriated, IX, 116, 184, X, 320; public policy, IX, 186, 212, 220, XII, 67, 207, XXVII, 118, 119; public sales, III, 198, IX, 104, 116, 176, 178, 185, 186, 188, 219, 232, 233, 257, X, 14, 254, 262, 264, 265, 326, 331-334, 343, XII, 17, XIII, 157, 302, XIV, 104, XVIII, 37, 38; prices, XII, 113, 213; squatters, IV, 117, IX, 232, XIII, 219, XIX, 65, XXII, 182, 192; pre-emption claims, IX, 197, 198, 232, XIII, 165, 166, XIV, 103, 138, XXVI, 193, 333; claims entered, IV, 125, 300, V, 259, 263, IX, 247, XI, 201, XIV, 103, 104, XIX, 264, XXVI, 354, XXVII, 46, XXX, 306-308; forfeited, IX, 178, 236, XXII, 204; land-offices, V, 282, IX, 129, 179, X, 254, 263, 343, 344, XI, 124, 217; United States land office, IX, 187, X, 266, 343, 344, XI, 124; maps of, IX, 175, 176, 185, 186, XXX, 204; in Illinois, X, 264-266, 326, 327, 334, XIX, 43, 59, XXVI, 68, 69, 198, 243, XXVII, 61; Indiana, IX, 164, XXIV, 138; Missouri, XIV, 146, 150, 151, XIX, 65, 188; New York, VIII, 42; Ohio, IV, 107, XI, 184, XII, 207, XIX, 34; Pennsylvania, IV, 332; commissioners, V, 259, 263, X, 344, XIII, 107, XIV, 103, 105, 138, XIX, 269, XXVII, 47, XXVIII, 30, XXX, 126.

Grants and purchases: English grants, III, 254, VI, 379, VII, 11, XXIV, 186, XXIX, 77; French, I, 159, 160, III, 70, XIX, 84, XXVI, 95, XXVII, 42, 83, 92, 93; common fields, XXI, 125, XXVI, 96, XXVII, 45, 47, 64, 71, 92, 118, 119; Russian lease, XXIX, 53; Spanish grants, III, 192, IV, 282, 317, 322, 336, 359, V, 235, 250, XIII, 106, 107, 136, 145, 288, 300, XIV, 99, 103, 138, XIX, 260, 303, XXI, 125, XXVIII, 37, 137; Connecticut reserve, IV, 91, VIII, 84, XIX, 79; Gadsden purchase, XVIII, 121; Gallipolis grant, IV, 158; Harmonist purchase, V, 316; Holland purchase, 42, 55, 134, 153, 178, 184; Miami purchase, IV, 12, X, 235, XXII, 154; Mormon purchase, XX, 94, 99; Oregon land question, XXI, 296, 301, XXIX, 24, 142, 180, 280, XXX, 158, 161-163, 169, 172, 175, 176, 180, 183, 185, 200, 203, 206, 213; Penn estate, III, 51; Phelps-Gorham purchase, VIII, 42, 88, 129, 178; Platte purchase, XXII, 253, XXVII, 153, 227, XXIX, 372; Texas grants, XVIII, 366; Vevay grant, V, 316; grants to Austin, 252, XVIII, 366; Boone, IV, 169, VI, 36; Brattle, VIII, 107; Bruin, IV, 311; Bullitt, XIV, 61; Croghan, I, 49; Digges, III, 50; Dwight, VIII, 106; Edwards, XVIII, 366, 367; Fairfax, III, 49; French settlers, IV, 158; Irvine, 244; Jolliet, XXVII, 36; La Salle,

LANDS: *Grants and purchases* (continued)—

37; Lesueur, XXVI, 120; Lyman, IV, 308; McKee, 94; Montour, I, 27; Ramsey, XXVII, 81; Sutter, XXX, 229; Trent, I, 56; Washington, IV, 114; Wildman, VIII, 84; Zane, IV, 266.

Earthquake grants, XIII, 78, XV, 177; road grants, VIII, 196; military grants, III, 66, 227, 228, 348, IV, 155, 160, 259, VIII, 104, 126, 127, 129, 279, IX, 119, 187, 251, X, 79, 232, XII, 60, XIX, 61, 62, 79, XXVI, 127, 128; mining grants, IV, 266, XXVII, 42; salt-reservations, XXIV, 180; school grants, III, 251, IV, 48, 184, VIII, 105, IX, 11, 119, 291, X, 334, XI, 209, XIII, 197, 302, XIV, 105, XIX, 37, 79, 101, XXII, 179, XXVI, 119, 237, XXVII, 47, 197, XXVIII, 133, 138, 140; timber reserves, V, 259, 281, 295; fraudulent grants, 269, 270, XIV, 138; certificates, X, 266.

Miscellaneous: Speculation, III, 185, 279, IV, 11, 108, 113, 124, 203, V, 282, 307, 308, IX, 12, 129, 130, 178, 184, X, 11, 45, 62, 227, 241, 329, 331, XI, 10, 14, 128, 143, 253, XII, 60, 69, 98, 101, 112, 113, 207, 212, 256, XIII, 103, 107, 157, 165, 166, 176, 288, XIX, 25, XXI, 36, XXVI, 130, 198, 242, 333, XXX, 223, 224. Investment, V, 307, 308, XI, 220, XII, 110, 119, 120, XXVI, 242. Profits, V, 271, VIII, 120, IX, 179, XI, 269. Values, VIII, 345, IX, 207, XI, 153, XIX, 69, XXVII, 54 (see also Prices); comparative, III, 185, IV, 142, V, 308, XI, 204, XII, 110, XIV, 159; increased, III, 193, V, 286, VIII, 339, IX, 126, 235, XI, 147, 148, 153, 155, 178, 192, 214, 241, 245, 269, 277, 284, 289, XII, 187, 204, 212, XXVII, 57; inflated, IX, 217, XII, 120, XIII, 55; decreased, IX, 220, 221, 228, XI, 14, 160-163, 178, XII, 22, 119, 225; causes of fluctuations, IX, 180, X, 109, XI, 190. Taxes, III, 198, 242, 292, V, 282, IX, 36, 230, 231.

Companies, III, 71, VIII, 184, IX, 112, X, 327, 328, XIX, 78, XXIV, 159, XXVI, 242, 307; Indiana, IV, 240; Mississippi, III, 70, IV, 323; New Madrid, 311, XIV, 138, XXI, 133; Ohio, III, 183, 185, IV, 124, 127, 131, 323; Transylvania, 174; Yazoo, III, 254, IV, 306; agents, 158, 237, IX, 175, 176, XI, 136, 215, XII, 60. Influence on emigration, IX, 12, 183, X, 9, XIX, 81.

Surveys, IV, 332, VIII, 292, IX, 176, 177, 179, 187, 188, X, 230-234, XIII, 162, 165, 306, 313, XIV, 105, 138, XIX, 241, 289, 290, XXIV, 144. Town lots, III, 33, IV, 311, IX, 231, X, 44, 46, 76, 220, 272, 329, XII, 208, XVIII, 38, XIX, 28.

Purchased, IV, 319, VIII, 227, IX, 129, 176, 257, X, 69, XI, 127, 207, 231, 301, XII, 77, XVIII, 348, 360, XIX, 151, XXIV, 155; forced sales, XI, 161, 166, 182, 186, 189, 194, 216, 257, 291, XII, 17, 21, 67, XXVI, 69, 117, 128, 148, 163, 198, 199; exchanged, XII, 131; mortgaged, IX, 267, XII, 119; leased, III, 279, IV, 118, 279, IX, 34, 39, 293, XI, 169, 206, 207, 209, 256, XII, 57, 60, 76, 123, XXII, 125, XXIV, 165, XXVII, 54; rented, IX, 154, X, 9, XI, 207, XXVII, 59, XXIX, 136; confiscated, XXVII, 78, 79, 81; abandoned, X, 69, XI, 179; freeholders, IX, 220, 221, XI, 10, XXIV, 156, XXVI, 112; non-resident owners, IV, 205, IX, 185. Clearing methods, III, 170, 184, IV, 224, V, 282, 283, 315, X, 154, XI, 110, 163, 240, 256, 287, 295. Quality (see Soils).

Deeds, IV, 204, XIII, 132; titles, III, 98, IV, 298, 299, 324, IX, 119, 179, X, 61, 214, 224, 266, 343, 344, XIV, 102, 103, XIX, 80, 81, XXVII, 46, 64; insecurity of, III, 185, 226, 227, IV, 179, VIII, 345, IX, 184, 232, X, 227, 229, XI, 191, XII, 57, 208, XIII, 106, 107, XIV, 63, 103, 138, XXVI, 128; tenure, IV, 104, 271.

Landsford (S. C.), Michaux in, III, 54.

Lane, —, abandons Wyeth, XXI, 72; with Sublette, 78.

Lane, Joseph, governor of Oregon, XXVIII, 290, XXX, 159; mentions Mole Alley Indians, 178; treaty negotiated, 192.

Lane County (Kans.), Walnut Creek in, XVI, 229.

Lane County (Oregon), mount in, XXIX, 34; river, 177.

Lang, Andrew, *Myth, Ritual, and Religion*, II, 24.

Lang, Charles, smuggler, XVIII, 270; imprisoned, 272.

- Langdon, Henry, on "Wasp," VIII, 241.
- Langford Station (Ky.), A. Michaux in, III, 51.
- Langham, —, Santa Fé trader, XX, 89.
- Langlade, Charles, Wisconsin pioneer, II, 185; at Prairie du Chien, 189, 190.
- Langley, J. & H. G., publishers, XIX, 157.
- Langlois, Jean Ste. Thérèse, founds Prairie du Rocher, III, 70.
- Langlois, Father Louis Antoine, missionary, XXVI, 194, XXIX, 133, 142; arrival in Willamette, 135; convent constructed by, 181; St. Joseph's College, 136; funds solicited, 136.
- Langsdorff, George Heinrich, Baron von, *Voyages and Travels*, XXIII, 284.
- Lanius, muscicopa, picus*, and *tyrannus*, III, 63.
- La Noria (Mex.), Gregg in, XX, 164.
- Lansing, Col. Garrett, founds Oriskany (N. Y.), XXIV, 185.
- Lansingburgh (N. Y.), location, VIII, 117; Franchère in, VI, 191.
- Lanthis, —, in New Orleans, IV, 362.
- Lapensée, Basile, on "Tonquin," VI, 194; explores Columbia, 230.
- Lapensée, Ignace, on "Tonquin," VI, 194; explores Columbia, 230.
- Lapensée, Olivier Roy, on "Tonquin," VI, 194; drowned, 362; grave, 362.
- Lapensée Brothers, sketch by Franchère, VI, 237.
- La Pérouse, Jean François de Galaup, comte de, expedition, VI, 377; captures Hudson's Bay posts, II, 12, 200.
- Lapierre, Joseph, on "Tonquin," VI, 195; accident, VII, 56, 164.
- Laplanders, reindeer, XXII, 382; infidelity, XV, 13.
- La Playes (Bald Head, La Plais) Indians, sketch, XIV, 233; in Rockies, XVI, 60; expedition against, 55.
- La Pointe (Wis.), Chippewa in, XXVIII, 156; Johnston, VI, 393.
- La Potherie, Bacqueville de, *Histoire de l'Amérique Septentrionale*, II, 41.
- Lappopetung, an Indian, I, 189.
- La Prairie (Can.), II, 207.
- La Présentation, Indian mission, II, 58.
- La Purissima, Indian mission, XVIII, 280.
- Lapwai (Idaho), emigrant supply station, XXX, 297, 298; mission station, XXVII, 389, XXVIII, 338; printing press, 333; Gray in, XXI, 353; Griffin, XXVIII, 275; Spaulding, XXI, 352, XXVIII, 338; Paloos reservation, XXIX, 288.
- Laramie, Jacques, trapper, XXVII, 160.
- Laramie County (Colo.), North Platte River in, XV, 235.
- Laramie County (Wyo.), creek in, XXX, 62.
- Laramie's Station, Indian boundary, VIII, 200.
- L'Arbre Seul, in Powder River valley, XXVIII, 324.
- Larches, abundant, XXIX, 208; as covering, 303; observed by Maximilian, XXIV, 157, 158.
- Lard. See Hogs.
- Lardner, Dr. Nathaniel, author, X, 157.

La Renaudière, —, on Meramec River, XXVI, 105.

"Lark," Astorian vessel, VII, 251; commanded by Northrup, VI, 315; in New York, 406; encounters storm, 315, 316; wrecked, 316, VII, 251-253, 261, 262; number of persons lost, 270.

Larks, habitat, X, 292, XVII, 147; numerous, XXII, 195, XXIII, 194; observed by Flagg, XXVI, 219; Maximilian, XXIII, 51; field, VI, 109; meadow (*sturnus ludovicianus*, or *torquatus*), XV, 321, 326, XXVIII, 222, 325; prairie (*alauda magna*), XXII, 75, 283; red (*a. rubra*), XV, 320; shore (*a. alpestris*), 320, XVI, 78.

Larkspur (*delphinium azureum*), in Illinois, X, 302; observed by James, XV, 200; Nuttall, XIII, 202, 208; cultivated, XXII, 69.

Larned, Rev. Sylvester, eloquence, VIII, 345; in New Orleans, XIII, 316.

Larned (Kans.), seat, XIX, 211; river, XVI, 227.

La Roche (Mex.), mines in, XVIII, 351.

La Rochejacquelein, Count de. See Verger, Henri de.

Larocque, François, among Mandan, VI, 282.

Larocque, Joseph, North West Company clerk, VI, 282, VII, 205; school fund given by, XXIX, 135; sketch, VI, 282.

Larpenteur, Charles, employed by American Fur Company, XXIX, 359; in Minitaree village, VI, 33; Fort Union commanded by, XXII, 34; on Poplar River, XXIV, 49; Petit Arc Creek, 97; Fort Van Buren burned by, XXVII, 146; guide employed, XXIX, 361; trade with Flatheads, 367.

Larue County (Ky.), seat, III, 88.

La Salle, Robert Cavalier, sieur de, explorations, II, 13, IV, 298, V, 235, XIII, 111, 117, 118, 145, XIX, 45-53, XXVI, 133, 143, XXVII, 34, 37-41, 74, 117; at Detroit, I, 55; Niagara, II, 49, 50, VIII, 158; in Louisiana, XXVI, 179; erects posts, II, 45, 186, IV, 289, XXI, 43, XXVI, 129, 140, XXVII, 39, 40, 74; founds settlements, XIX, 50, 51, XXVIII, 149; names given, VIII, 228, IX, 105, XXVI, 231; Indian relations, XIII, 342, XIX, 46, XX, 339, XXVII, 37, 38; associates, XIII, 117, 120, XIX, 48, 49; death, II, 74, XIX, 51-53, XXVII, 40; Tonty searches for, XIII, 140; papers, XIX, 49; cited, II, 77; sketch, XXVII, 36, 37.

La Salle (Ill.), IX, 186.

La Salle County (Ill.), XXVI, 139, XXVII, 22.

Las Animas (Colo.), location, XX, 138.

Las Animas County (Colo.), boundary line, XVI, 69; creeks in, 62, 74.

Las Casas, Bartolomé de, opposes Indian slavery, XIX, 104; favors negro slavery, 112.

Lash, Peter, farmer, IV, 270.

Lashley, —, in Ohio, IV, 207, 210.

La Soledad (La Solada), Indian mission, XVIII, 281.

Lasso (lariat), used by Mexicans, XIX, 319, 320; etymology, 319; as equipment, XX, 261, 262, 268.

Las Vegas (N. Mex.), population, XIX, 252; first dwelling, 252.

Latania. See Cane.

Latelesha. See Knife Chief.

Lathe machine, in Oregon City, XXX, 159, 296.

Lathyrus decaphyllus, observed by Baldwin, XIV, 124; Bradbury, V, 319.

- Latresse, Jean, envoy to Fort Union, XXIII, 139.
- Latrobe, Charles J., quoted, XXVI, 63.
- Latter Day Saints. See Mormons.
- Laughing-gas, lecture on, XII, 331.
- Laughlin, Richard, with Pattie, XVIII, 263.
- Laughlin Town (Pa.), Flint in, IX, 79.
- Laundries. See Trades.
- Laurel, habitat, X, 213, XXVIII, 216; on Chestnut Mountain, XIV, 54; in Florida, IV, 336; Mississippi, 346, 351; Pennsylvania, III, 148; abundant, XXIX, 14, XXX, 129; observed by Faux, XI, 77; Palmer, XXX, 110; Woods, X, 213; broad-leaved, XIV, 53; *kalmia latifolia*, III, 326, 327, XXII, 66, 69, 99, 103, 104, 166; *rhododendron maximum*, III, 326, 327, XXII, 62, 66, 67, 69, 79.
- Laurel (Ind.), Palmer in, XXX, 11, 15, 236, 256.
- Laurens, Henry, in Revolution, XII, 108.
- Laurie, Dr. —, clergyman, XI, 131.
- Laurus*, *benzoin*, III, 83, 90, 91, 176, XIV, 156; *caroliniensis*, III, 302; *sassafras*, XXIX, 14, 128.
- Lausanne (Pa.), described by Maximilian, XXII, 117.
- "Lausanne," colonists on, XXIX, 127; Abernethy, XXX, 159.
- Lava, abundant, XXVIII, 313; observed by De Smet, XXVII, 249; Palmer, XXX, 84; Townsend, XXI, 202, 203, 232, 233, 235, 246, 269.
- La Valette, Auguste, fur-trader, XI, 280.
- La Vérendrye, Gaultier Varennes, sieur de, French explorer, I, 109, II, 51, 87, VI, 382; builds forts, 377, 379, 382-384; among Mandan, V, 114, XXII, 16, XXIII, 253; cited, 256, 262, 269, 271, 273, 276, 366, 370.
- Law, Edmund, character of, XII, 109.
- Law, Hamilton, abandons Wyeth, XXI, 68, 72; return to St. Louis, 78.
- Law, John, land speculator, XII, 60; in War of 1812-15, 108; Mississippi scheme, IV, 323, V, 248, XIII, 314, XXVII, 42, 49; land grant, XIII, 111; colony founded by, 120; exile of, XXVII, 50.
- Law, John, Jr., character of, XII, 109.
- Law, Thomas, land speculator, XI, 123, XII, 98; resources, 98; financial policy, 132; garden of, 111; in Washington (D. C.), XI, 120, XII, 95; visited by Faux, 98, 103-134; advice to emigrants, 107; opinions on emigration, 103-106; on climate, 105, 106; industrial conditions, 103-106, 112-122; Birkbeck and Flower, 110; as a writer, 114; letters by and to, 107, 116, 117, 133; described by Faux, 59, 95, 96; sketch, 59; *Reply to Certain Insinuations*, 59.
- Lawrence, James, sketch, VIII, 241.
- Lawrence (Kans.), crossing at, XXX, 37.
- "Lawrence," in battle of Lake Erie, VIII, 240.
- Lawrence County (Ark.), boundary, XVII, 35; county seat, 28, 35; Strawberry River in, 35; Davidsonville, 28.
- Lawrence County (Ill.), formed, X, 354.
- Lawrence County (Ohio), capital, XXII, 154; settlement in, 153.
- Lawrence County (Pa.), Indians in, I, 26, 249.

Lawrenceburg (Ind.), site, IX, 158, XIX, 68, XXIV, 142; Nuttall in, XIII, 62; sketch, 62.

Lawrenceville (Ill.), post-station, XXVI, 247.

Lawrenceville (Lawrencetown, Pa.), location, VIII, 246.

Laws, respected, X, 26, 317; defied, XX, 98, XXI, 45, 103; unjust, XI, 99; ineffective, 117, 134, 189, 260, 287, 294, XII, 238, 239, 247, XIII, 281, 314, XX, 22, 29, 30; technical, XII, 64, XXVII, 57; lynch, XI, 282; common, VIII, 344, XIX, 199, 213, XX, 309; of nature, VIII, 352; of nations, 122, 353, 355, XXVIII, 29, 38; Aztec, XVIII, 372; English, X, 9, 24, 29, XII, 24; French, VIII, 344, XXVII, 56; Mexican, XVIII, 290, 315, XIX, 295, XX, 154, 171; Spanish, XVIII, 350, 359, 364, XIX, 307, XX, 32, XXVII, 56; codes, VIII, 218, XII, 24, 78, XXX, 213, 214, 299-311; writs, XXVII, 79; habeas corpus, X, 29, XII, 26, XX, 201, XXX, 299, 300; alien, IX, 295; compromise, XI, 98; nullification, 98; Ordinance of 1787, XIX, 53, 109, XXVII, 51; bankruptcy, IX, 241; contracts, IV, 109, IX, 222, 225, XI, 227, 229, XIV, 99, XXX, 300; copyright, VIII, 96, 98, XIII, 25, XVIII, 24, XIX, 22, 80; criminal, III, 154, XI, 283, XIII, 292; ex post facto, IX, 222; forest, XXII, 74; game, X, 239-241, XI, 99, XV, 256; increased compensation act, IX, 214, XXX, 302; inheritance, IV, 64, 105, 106; internal improvements, XIX, 182, 197, XXVI, 93, 98, 120, 244, 297; land, VIII, 126, IX, 178, 220, X, 14, XIII, 177, XIV, 103, 105, 138, XIX, 79, XX, 82, XXVII, 45, 47, 51, 53, XXX, 200, 306-308; liquor, XIII, 44, 88, XIV, 270, XV, 50, XXII, 254, XXX, 309; marriage and divorce, IX, 197, X, 131, 132, XI, 170, XII, 59; militia, 303, 304; property, IX, 226, 241, XII, 67, XIX, 288, XXX, 300; replevin, IX, 220, 221, XI, 132; restrictive, IV, 255, V, 297, IX, 26, 123, 215, XIII, 286, XVIII, 307, XIX, 56, XX, 23, XXX, 301; suffrage, X, 322, XII, 311; Sunday observance, IX, 109, XI, 208; tariff and revenue, IX, 270, X, 341, XVIII, 25, XXX, 303; miscellaneous, III, 227, 243, VIII, 121, 122, 355, IX, 291, XII, 15, 231, 232, 301, XIV, 71, XVIII, 230, XIX, 105, 320, 321, XX, 37, XXI, 36, XXII, 139, 254, XXVI, 81; *Laws of United States*, cited, XXVII, 47. See also Crime, Courts, and Lawyers.

Lawson, John, *New Voyage to Carolina*, XV, 245, 257.

Lawyer, Nez Percé chief, XXVIII, 342, XXIX, 96, XXX, 231.

Lawyers, number, VI, 9, XII, 24; education, IX, 195; dress, X, 356, XXIX, 283; insignia, XI, 59, 60, XII, 198; compared with English, 45; prosperity, III, 228, IV, 222, IX, 277, XII, 44, 45; popularity, IV, 11, 349, XII, 44, 45, 61; duties, IX, 195; salaries, XI, 94, XVIII, 352; characterized, VIII, 11, IX, 87, 219, X, 356, XI, 95, 175, XII, 61, 62, 101, XXVI, 281; ridiculed, IV, 87; as orators, IX, 263, XI, 97, XII, 317, XXVI, 226; legislators, IX, 195, XXVI, 244; speculators, IX, 219; emigrants, 196, XII, 293, XXIV, 106, XXVI, 307; in Arkansas, XIII, 292; District of Columbia, VIII, 12, XII, 36, 60; Illinois, X, 322, XXVI, 31, 306; Indiana, IX, 13, 253, X, 46; Kentucky, III, 63, 247, VIII, 287, X, 229; Louisiana, IV, 344, VIII, 345, XVIII, 25; Maryland, IV, 117; Mexico, XVIII, 352; Mississippi, XXVI, 10; Missouri, XX, 96, XXVI, 31; New England, IV, 126, VIII, 344, XII, 197; New Mexico, XIX, 332; New York, XII, 78; Ohio, III, 179, IV, 257, IX, 102, 241, X, 70, XI, 174; Oregon, XXX, 159; Pennsylvania, III, 28, IV, 70, 76, 82-84, 250, VI, 9, IX, 56; South Carolina, XI, 68; Tennessee, III, 97, 98, 253; Trans-Alleghany country, IX, 195; Virginia, III, 44, IV, 110, IX, 49, XII, 40. See also Crime, Courts, and Laws.

La Zarca (Mex.), Gregg in, XX, 163; San Miguel, 164.

Lead, discovered, XV, 176, XXVI, 95, XXVII, 43, 93; noted, V, 275, XIII, 36, XVI, 278, XVII, 37, XVIII, 106, XX, 275, XXVIII, 126, XXIX, 202, 229; abundant, VI, 41, XVII, 232, XIX, 64, XXII, 212, XXVIII, 119, XXIX, 246; inexhaustible, VIII, 263, 297; origin, XVII, 241; geological formations, 219-222, 224, 225; mines in Arkansas, XVII, 30; Illinois, VIII, 291, XVII, 234, XIX, 60, XXI, 30, XXX, 173; on Mississippi, XXVII, 50; in Missouri, IV, 296,

- V, 248-251, XIV, 104, XV, 174, 175, XVI, 66, XVII, 41, 104, 122, 217, 221, 224, 231, 241, XXII, 211, 215, XXVI, 95, 96, 104; New Mexico, XIX, 303, 310; Ohio, VIII, 264; on Ohio River, XIV, 92; production, XXII, 226; working, IV, 178, 179, V, 249-253, XXVI, 103; article of trade, I, 117, VI, 31, XVI, 207, XXVIII, 253, XXIX, 60, XXX, 31, 74; prices, V, 249, XIII, 77; cargoes, IV, 147, V, 197-200, XXII, 205, XXIV, 131; as present, I, 43, 72, 105, 160, 161, 166, 195, 209, XXX, 42, 58; as money, XXVII, 54; stolen, XIX, 227; white, X, 75; sulphuret of, XIV, 91, XVII, 92, 224, 233, 234.
- Lead plant (*amorpha fruticosa*), abundant, XXII, 162.
- Leadville (Colo.), site, XXVIII, 216.
- Lear, Tobias, secretary to Washington, III, 20, 21.
- Leather, Indian, how made, XIV, 301; how tanned, X, 289, XIII, 126, 127; tanned by squaws, XXIII, 103, XXVIII, 267; made from skin of Indians, XII, 67; dressed, VII, 280; home manufacture of, XI, 229; freedom of manufacture, X, 341; article of trade, XVI, 270, XXI, 64, XXIII, 73; as present, VII, 154; as door, XXIV, 39; dresses of, XXII, 378, XXIII, 15, 101; ornaments, XXIV, 17, 75; shirts, XXIX, 222; substitute for glass, IX, 65; embossed, XIX, 340; morocco, XII, 321.
- Leather-wood trees, habitat, VIII, 299.
- Leathes, Rev. I., in Washington (D. C.), XII, 58.
- Leavenworth, Col. Henry, founds fort, V, 67, XXII, 253; Arikara campaign, XXIII, 223-225, 386; sketch, 223, 224.
- Leavenworth, S. M. and J., town named for, XXII, 160.
- Leavenworth (Ind.), forests, XXII, 159; sketch, 160.
- Leavenworth (Kans.), location, VI, 69; islands near, XIV, 175; military post, 10, 12.
- Leavenworth Cantonment. See Forts: Leavenworth.
- Leavenworth County (Kans.), boundary line, XIV, 175; Say in, 210.
- Lebanon (Ill.), origin of name, X, 329; post-station, XXVI, 247; founded, 251; Flagg in, 12; described, 251-253.
- Lebanon (Ohio), Flint in, IX, 298; described, 300, 305; sketch, 300.
- Lebanon County (Pa.), described by Maximilian, XXII, 131.
- Lebeau (S. Dak.), site, XXII, 334.
- Le Blanc, —, in New Orleans, III, 27.
- Le Bœuf (Pa.), sketch, III, 339.
- Le Borgne. See One Eye.
- Le Boucan. See Shudegacheh.
- Le Boun, Michael, on Arkansas River, XIII, 139.
- Lechartetewarouchte, Pawnee herald, XXIX, 393.
- Le Clerc, —, lawsuit against Cabanné, XXII, 272, XXIV, 106.
- Le Clerc, Francis, Astorian employee, VII, 198, 225, 226; killed, 267.
- Leclerc, Giles, on "Tonquin," VI, 195; attacked by Indians, 343, 344.
- Lecompton (Kans.), location, XIV, 210; Say at, 185.
- Le Conte, John Eatton, recommends James, XV, 165; sketch, 166.
- Lectures and Lyceums. See Amusements.
- Le Cygne, Miami chief, I, 315; in Wyaut, 37.

- Ledoux, Abraam, hunter, with Long, XV, 220, XVI, 58, 192, 225, XVII, 98; Pawnee vocabulary obtained from, XVI, 227.
- Lee, —, Arkansas trapper, XIII, 256, 263, 266-271, 273-275.
- Lee, —, Kentucky settler, IV, 190.
- Lee, Anna Maria (née Pitman), in Oregon, XXX, 181.
- Lee, Charles, in New Orleans, XXI, 97.
- Lee, Daniel, Oregon missionary, XXI, 12, 138, XXVIII, 378; at Willamette mission, 358; Dalles mission, XXVII, 389, XXVIII, 356, 357; on Columbia, 367-370; at Vancouver, XXIX, 28; with Farnham, 26, 27; visits Chinook, XXVIII, 363, 364; linguist, 360, 362; sketch, XXI, 138.
- Lee, Col. Francis, at Fort Howard, XXVI, 138.
- Lee, Hancock, founds town, IV, 189.
- Lee, Gen. Henry, Kentucky pioneer, III, 36, IV, 172.
- Lee, Henry A. G., Oregon pioneer, XXX, 110, 111, 160, 281.
- Lee, Jason, Oregon missionary, XXI, 12, 138, 319, 320, XXVII, 388, XXVIII, 10, 302, XXIX, 21, 118, XXX, 181, 183; on outward journey, XXI, 152, 166-170, 228, 229, 279, 280, 299; popularity, 228; at Vancouver, 295; builds school, XXIX, 165; associate, XXI, 319; re-inforced, XXVIII, 45, XXIX, 127; sketch, XXI, 138, XXX, 181.
- Lee, Robert E., engineering work, XXVI, 161.
- Lee, Sarah, *Memoirs of Baron Cuvier*, XXVII, 114.
- Lee, Susanna, Oregon pioneer, XXX, 120.
- Lee, Thomas, South Carolina lawyer, III, 54.
- Lee County (Iowa), fort in, XXVI, 138.
- Lee's encampment (Oregon), XXX, 110.
- Lee's Station (Ky.), III, 36.
- Leedom, William, tavern-keeper in Bentonville (Ohio), IV, 203, 208.
- Leersia lenticularis*, noted by Bradbury, V, 317.
- Leesburg (Ohio), size, IX, 302.
- Leestown (Ky.), early settlement, IV, 189.
- Lefevre, Peter, on Arkansas River, XIII, 144, 145.
- Lefevre family, in Arkansas, XIII, 156.
- Left-handed, Arikara chief, V, 128-130, 132, VI, 111, 113; in Engineer Cantonment, XIV, 286.
- Le Gardeur de St. Pierre, in Fort Le Bœuf, I, 102; dispatches Niverville, XXIX, 218.
- Le Gendre, Madame —, tavern-keeper, IV, 339, 340.
- Legler, Henry E., *Henri de Tonti*, XIX, 50.
- Legoux, —, meteorological observations, IX, 182.
- Leguas (leagues), Mexican measure, XIX, 290.
- Legumina*, abundant, XIII, 149, XVI, 169, XVII, 194; flowers, XVI, 185; described, XV, 181.
- Lehigh & Susquehanna Railway, XXII, 90.
- Lehigh Coal Company, XXII, 89, 123.
- Lehigh County (Pa.), XXII, 78, 119, 123, 127.

- Lehigh Falls (Pa.), mills, IX, 59.
- Lehighton (Pa.), XXII, 124.
- Leidy, Prof. Joseph, *Extinct Vertebræ Fauna*, XXIV, 91.
- Leiper, —, Pittsburg lawyer, IV, 70.
- Lemhi reservation, Bannock Indians on, XXI, 192.
- Lemna*, small, XV, 272.
- Lemons, in Charleston (S. C.), XI, 67; Mississippi, IV, 353; abundant, XII, 125, XVIII, 362, XXVII, 40; cultivation of, XIII, 301; article of trade, X, 192; as a remedy, XII, 158; observed by Welby, 177.
- Lemos, Don Manuel Gayoso, governor of Louisiana, III, 81, 89, IV, 362; in Natchez, III, 254; meets A. Michaux, 81; sketch, 81.
- Leni-Lenape Indians. See Delawares.
- Lentils, quality of, XII, 94.
- Leon, —, decorates St. Louis cathedral, XXVI, 167.
- Leon, John Ponce de, in Missouri Territory, V, 235.
- Leon (Mex.), manufactures in, XX, 162, 169.
- Leonard, Don Gilbert, in Baton Rouge, IV, 341, 342.
- Leontice thalictroides*, III, 29.
- Leopold I, king of Belgium, XXVI, 170.
- Lepers, on Sandwich Islands, VI, 222.
- Lepidium virginicum*, habitat, XV, 264.
- Leplanthus gramineus*, on Corn Island, XIV, 74.
- Le Rocher de Miette. See Rocks: Millet's.
- Le Roy, Leon, in Jefferson County (Ark.), XIII, 140.
- Leroy (Nebr.), site, XXX, 46.
- Le Serre & Grutt, mill-owners, X, 272.
- Leseuer, Francis, founds village, XXVI, 120, 121.
- Leslie, David, in Willamette mission, XXIX, 21; signs petition, 24; signification of "Salem," XXX, 183; sketch, XXIX, 21.
- Lesly, John Frederick, killed by Indians, XXII, 125.
- Le Sonnant, Cree chief, XXV, 22; anecdote of, XXIII, 200, 201.
- L'Esperance, —, in Fort Miami, I, 316, 317.
- Les Petites Côtes (Mo.). See St. Charles.
- Les Soulier Indians, battle with Sioux, XXIII, 232.
- Le Sueur, —, fur-trader, IV, 282.
- Le Sueur, Charles Alexander, scientist, XVI, 128; at New Harmony, XXII, 13, 164, XXIV, 133, 134; visits mounds, XXII, 172, 173, XXIV, 139; relations with Maximilian, XXII, 181, 186, 191, XXIV, 138, 139; collections, XXII, 170, 174, 187, 202, 209, XXIV, 129, 138; sketch, XVI, 128.
- Le Sueur, Pierre Charles, expedition up Mississippi, V, 235, XXVII, 42, 43.
- Letombe, Philip Joseph, consul general of France, III, 76.
- Lettuce, cultivated, X, 209, 306.

Levasseur, Émile, *Recherches historique sur le system de Law*, XXVII, 49.

Levees, on Mississippi River, IV, 358, XIX, 130; New Orleans, VIII, 339, 340; described, 337, 338. See also Rivers: Mississippi.

Levi, —, Jewish trader, I, 316.

Levingston (Ohio), Indians in, IV, 220.

Lewes, Thomas (John Lee), Hudson's Bay officer, XXIX, 274, 279, 284.

Lewis, —, English emigrant, XI, 257, 258.

Lewis, —, Indiana pioneer, XI, 203.

Lewis, Gen. Andrew, in Dunmore's War, III, 49, IV, 141-143, V, 279.

Lewis, Col. Charles, in Dunmore's War, III, 49.

Lewis, Eli I., Arkansas merchant, XIII, 106.

Lewis, James, Astorian clerk, VI, 194, 199, 250, 292, VII, 98; massacred, VI, 290.

Lewis, John, Virginia pioneer, III, 48, 49.

Lewis, Meriwether, commands Fort Pickering, IV, 293; relations with Jefferson, V, 9, XIV, 38, XXI, 21; illness, XXIII, 84; difficulties with Blackfeet, V, 45, 225, VI, 28, 371, XXIII, 73; other Indian relations, V, 103, 109, 164; route, XXIX, 340; objects named for, VI, 271, XXVIII, 303, XXIX, 233; governor of Missouri, V, 52, XIII, 183, XVI, 276; builds fort, XIV, 168, XXII, 248; brother, XXIII, 217; *Statistical View*, XXVII, 161. See also Lewis and Clark.

Lewis, Reuben, in fur trade, V, 167, 262; at Fort Mandan, 153, 154, 156, 162, XXIII, 217; Cherokee agent, XIII, 183; sketch, V, 153.

Lewis, Virgil A., *History of West Virginia*, I, 132.

Lewis and Clark, transcontinental expedition, V, 13, 35, 39, 60, 153, 254, VI, 17, 18, 27, 33, 187, 189, VIII, 296, XI, 263, XIII, 134, 138, 139, XIV, 22, XVIII, 9, XXI, 20, 21, 24, 68, XXII, 217, 227; instructions, XIV, 249; equipment, 43, XXI, 66, 85, 99, 100; party, V, 44, 45, 76, 91, 252, VI, 85, XV, 91, XVIII, 263, XXI, 43, XXII, 278; on Wood River, XIX, 55; interpreters, V, 38, 127, VI, 32, XIV, 241, XXII, 16, 318; traders met, V, 87, 106, VI, 282, XXII, 257, XXIV, 35; route, V, 100, 226, VI, 252, VII, 11, IX, 165, XV, 238, XVIII, 142, XXI, 53, 58, XXVIII, 114, 318, XXIX, 30; distances, XIX, 62, XXVIII, 111; winter forts, XV, 59, XXI, 15, 362, XXII, 344, XXIII, 233, XXX, 198; return, V, 97, 262; on Missouri and tributaries, 42, 56, 68, 72, 126, 148, 184, VI, 61, XIV, 124, 175, 217, XIX, 62, XXII, 262, 312, XXIII, 48, 59, 84, XXVII, 250, XXVIII, 110, 145; Columbia and tributaries, VI, 259, 338, 339, VII, 191, XXI, 69, 80, 104, 278, 301, 333, XXVII, 335, XXIX, 79, 96, 117, XXX, 193, 200; geographical information, V, 110, VI, 91, VII, 12, XIV, 166, 217, 218, XV, 252, XVI, 148, XVII, 148, 189, XXII, 280, 291, 293, XXVII, 228, XXVIII, 156, 353, XXX, 194; scientific data edited, III, 97; geological, XVII, 204, XXIII, 77, 79, 194, 240; botanical, VI, 321, XV, 219, 249, 276, 280; zoological, II, 133, V, 95, 147, VI, 103, 281, 323, 360, XV, 169, 261, 304, XVI, 38, 45, 46, 89, XVIII, 48, 53, 61, 91, XIX, 327, XXI, 336, XXIII, 249, 348, XXVII, 268, 269; information on Indians, V, 14, 51, VI, 247, 263, 272, 328, VII, 230, XV, 59, 60, 65, XX, 285, XXI, 76, XXII, 350, 370, XXIII, 339, 378, XXVIII, 367; relations with Indians, V, 15, XXI, 103, 105, XXVI, 16; of the Columbia, V, 233, VI, 239, 240, 243, 340, VII, 137, 142, XXI, 67, 302, XXVII, 319, XXVIII, 365, XXX, 156, 203; with Arikara, V, 114, XXIII, 386; Crows, XV, 56; Flatheads, XXI, 304, XXVII, 356; Kansa, V, 67, XIV, 176, XXII, 256; Mandan, V, 66, 93, 151, 156, VI, 127, 137, XXII, 16, 339, 341, XXIII, 222, 231, 234, 253, 254, 301, XXIV, 22; Minitaree, V, 114, 162, XV, 57, XXIII, 220; Omaha, V, 86; Osage, 50; Oto, VI, 76, 78, XXII, 265; Ponca, XXIV, 99; Shoshoni, V, 227, XXVIII, 263, 272; Sioux, V, 90, XIV, 275,

- XXVIII, 153; treaty with, V, 74, XV, 90; precautions concerning, VI, 275; medals for, XXI, 362, 363, XXII, 285; describe caches, XXIII, 278; nomenclature, V, 100, 104, 148, 163, 233, VI, 74, 87, 234, 248, 249, 309, 337, VII, 118, 119, 121, 129, 133, 136, 141, 147, 208, 211, XIV, 145, 179, 217, 229, XV, 246, XXI, 300, XXII, 255, 275, 282, 284, 285, 302, 313, 314, 332-335, 337, 341, 344, 367-369, 372, 375, XXIII, 29, 33-35, 46, 48, 50, 58, 61, 63-66, 69, 71, 82, 93, 94, 138, 176, 185, 208, 215, 254, XXIV, 45, 87, 103, 110, 117, XXVII, 224, 225, 227, 299, 332, XXIX, 34, 343, XXX, 134, 193, 199, 290; maps, V, 60, XV, 252, XVI, 20, XXII, 15, 236, 281, 314, 337, 340, XXIII, 71, 93; *Journals*, cited, III, 12, V, 10, VI, 54, 91, 164, 187, 278, 321, 323, 325, 328, 352, XVI, 46, 51, 207, XVII, 193, 238, XXI, 10, 16, 23, 79, 102, 105, XXII, 297, XXIII, 44, 223, 385, XXVII, 161, 173, 181, 228, 256, 269, 374, XXVIII, 354, 355, XXIX, 288; *Statistical View*, V, 104, 242, VI, 155, XIV, 233.
- Lewis County (Ky.), IV, 165.
- Lewis County (Oregon), XXX, 214, 215.
- Lewisburg (W. Va.), X, 79.
- Lewismore. See Vaugine.
- Lewiston (Idaho), XXIX, 79, XXX, 179, 290.
- Lewiston (N. Y.), VIII, 158, 159, 166, 167, 174, 177, 178, 182, XVII, 251, XIX, 149, 150, XXIV, 174.
- Lewistown (Pa.), Welby in, XII, 335, 336.
- Lexington (Ky.), location, XIX, 42; distance from Bryant's station, XVIII, 29; from Richmond, III, 226; country described, IV, 191, 198; limestone in, IX, 131; mineral springs, III, 205; climate, IX, 139, X, 66, 67; climate compared with Cincinnati, IX, 155; first settlement in, IV, 177; size, IX, 160, XII, 288; population, III, 199, 226, IV, 183, 185, IX, 132, XI, 194, XII, 221, XVII, 106, XIX, 101; roads, III, 35, 43, 195, 196, IV, 164, 167, 169, 179, 211, IX, 127, XI, 188, XII, 271; route to Limestone, IX, 131; Philadelphia, III, 35; commercial centre, 202, 203; land values, IV, 184, XII, 225; state of business in, IV, 185-187; manufactures, V, 297; market, III, 230, IV, 229, XI, 191; corn market, III, 238; horse market, 244; prices in, XII, 14; wages of tradesmen, III, 201; prosperity, X, 66; bank in, 67; camp-meetings, III, 249; colleges, IX, 196, X, 67; duelling, XI, 185, 278; ropewalk, III, 160; slaves, IX, 141; taverns, IV, 260; tax collectors, III, 242; vineyards, 208; Buttrick in, VIII, 76; Cuming, IV, 7, 170, 182, 195, 196, 209; Evans, VIII, 277; Faux, XI, 13, 188-194; Flint, IX, 114, 146; R. Flower, X, 13, 49, 91, 95, 98, XI, 273; W. Flower, X, 133; Hulme, 64, 65, 67; A. Michaux, III, 36-38, 42-44, 48, 52; F. A. Michaux, 189, 195, 198, 199, 205-207; Welby, XI, 16, XII, 274; other travellers, III, 253, IV, 122, 169, 256, VIII, 79, IX, 278, X, 65-67, XI, 255, XIX, 164; described by Cuming, IV, 182-189; Faux, XI, 188-194; Flint, IX, 132-146; Flower, X, 95; Ogden, XIX, 101, 102; Welby, XII, 221; compared with Cincinnati, IV, 256, IX, 155; with Frankfort, XI, 194, XII, 222; with Louisville, IV, 259; sketch, III, 199-202.
- Leyba, Capt. Fernando de, lieutenant-governor of Louisiana, XXVI, 152.
- Lhtho'ten (Calkobin, Talkotin) Indians, funeral ceremonies, XXVII, 307-309.
- Liana rajanioides*, III, 74.
- Liatris*, observed by Flagg, XXVI, 287; *brachystachya*, XXIX, 424; *graminifolia*, XV, 281; *pycnostachia*, XIV, 129.
- Libellula*, habitat, XXIV, 99.
- Liberty (Ky.), Coburn finds, IV, 169.
- Liberty (Md.), Woods in, X, 198.

Liberty (Mo.), site, XXII, 249; Laidlaw in, 316; Maximilian, XXIV, 117; Melone, 100; Mormons, XXI, 139; sketch, XXII, 249.

Liberty Square (N. Y.), renamed Manlius, XXIV, 182.

"Liberty tree," as a monument, XXVII, 30.

Libraries, in Albion (Ill.), X, 108, 124, 127-129, 153, XII, 254; Baltimore, XI, 111; Belleville (Ill.), XXVI, 255; Boston, XI, 56; Harrisburg (Pa.), IV, 41; Lexington (Ky.), 184, 188, XII, 14; Philadelphia, IX, 55, 122, 173; Vincennes (Ind.), XXIV, 138; on canal boats, XIX, 152; circulating, IV, 127, XI, 111, XIX, 128, XXVI, 310; college, III, 21, IX, 51, XXI, 13, XXVI, 169, 309; historical societies, III, 22, XXII, 20; law, IX, 196; private, VI, 394, X, 143, XV, 170; reading room dues, IV, 188; in Bethlehem (Pa.), XXII, 83; Pittsburg, IV, 79; New Madrid, XVII, 89; New Orleans, IV, 364; St. Louis, XXVI, 259; public, IX, 57, 137, 241, X, 143, XI, 253; in Portland (Oregon), XXIX, 194; Toronto, VI, 16; state, X, 270; Astor, VI, 188, 193; Bancroft, XXX, 230; Blennerhassett's, IV, 320; Congressional, XII, 23, 328; Franklin's, IX, 56; Maclure's, XXII, 13, 164; Putnam's, IV, 127; St. Louis Mercantile, XX, 243; Say's, XXII, 186, 187; Trappists', XXVI, 194; Wilkinson's, VIII, 349; scarcity of books, IX, 153; librarians, III, 131, XIII, 26, XXIV, 147, XXVI, 10. See also Books, Education, and Newspapers.

Lice, eaten by Indians, XVI, 119, 202. See also Indians: Food (vermin).

Lichens, abundant, XXII, 75, 135, 202, XXIV, 109; on Rocky Mountains, XVI, 19; many colored, XXIII, 51; dye prepared from, 278; varieties, XXII, 93; observed by James, XVI, 22.

Lichnedias, observed by James, XV, 177, 200.

Lichnis, abundant, XXVII, 338.

Lichtenstein, Martin Heinrich Karl, naturalist, XXIV, 321.

Licking County (Ky.), seat, XIX, 37.

Licking County (Ohio), Union Township in, XXIV, 152; Flint in, IX, 298.

Licking Summit (Ohio), origin of name, XXIV, 151; Maximilian on, 152; sketch, 151.

Licorice (*glycyrrhiza lepidota*), described, XV, 231.

Lidiard, —, in Lexington (Ky.), XI, 188, 189, XII, 14.

Life-preservers, on "Resolution," X, 181.

Light-houses, Balize, IV, 370; Boston, XXII, 40; Cape Delaware, IV, 376; Cape Henlopen, 376; Cleveland, XXIV, 159; Delaware Bay, XII, 68; Gay-head, XI, 52; Lake Erie, XIX, 142, XXIV, 159, 160; Newport, XXII, 55; New York Bay, XXIV, 193; Sandyhook, XII, 75; Staten Island, XXIV, 193; economic conditions in, XI, 52; described by Woods, X, 185.

Lightning-bugs, in Washington (D. C.), XII, 99.

Lightning conductor, in New Orleans, IV, 364.

Lignery, — de, in Fort Duquesne, I, 85, III, 156.

Lignite, decomposition of, the cause of earthquakes, XIII, 85, XVII, 89, 242; described by Nuttall, XIII, 84, 86, 88, 298, 308; observed by Long, XIV, 66.

Ligon, Col. —, aids Fredonians, XVIII, 367.

Ligonier, Sir John, British commander, III, 148.

Ligonier (Pa.), road, III, 328, IX, 64; Nuttall in, XIII, 42; view of church, XII, 185.

Liguest, Pierre Laclede, land purchase, XXVI, 163.

Lilac trees, when budded, XIX, 75.

- Lilies, observed by Flagg, XXVI, 286; Woods, X, 302; *lilium catesbaei*, V, 158, 318, XIV, 111; *umbellatum*, V, 318.
- Lilliput (Mo.), Indian graves in, XIV, 117.
- Lillooet Indians, population, XXIX, 278.
- Lillooet (B. C.), site, XXIX, 278.
- Lily's Park (Colo.), river in, XXVIII, 247.
- Lima (N. Y.), Evans in, VIII, 129.
- Lime, where found, XVII, 48, XIX, 140, XXX, 63; abundant, XII, 202, 213; scarce, VI, 318, XXIII, 242; how made, XXVII, 72; cement made from, XVIII, 343; used in cooking, XIX, 290; water impregnated with, XXIV, 141; article of trade, X, 192; New Orleans market, III, 266; prices, X, 74; carbonate, V, 41, 248, XIV, 143, 150, 171, 224, 228, XVI, 12, 13, 98, 100, XVII, 208, 220, 233; fluuate, XIV, 91, XVII, 92, 221, 222, 233, 234; muriate, XVIII, 340; sulphate, XIV, 82, XVI, 100, 120, 137, 142, XX, 242, 245. See also Gypsum.
- Lime trees (*tilia grandifolia*), numerous, XXII, 146; observed by Maximilian, 148, 161.
- Limes (*nyssa pubescens*), XIII, 105, XXII, 63, XXIV, 172.
- Limestone, location, V, 279; Cincinnati, XIV, 66; Corn Island, 74; Cumberland River, III, 83; Detroit River, VIII, 215; Kentucky, IV, 181, VIII, 141, 275, 277, XIX, 94; Lake Erie, VIII, 185, 240; Laurel Mountains, XIV, 55; Maryland, XI, 176, XII, 288; Mississippi River, V, 245, XIV, 95, 142, XVII, 203; Missouri River, V, 41, 47, 50, VI, 89, 100, 139, XIV, 161, 170, 222; Niagara River, VIII, 178; Ohio River, 194, X, 73, XIV, 80, 81, 85, 91, XVII, 174; Ozark Mountains, 189; Pennsylvania, III, 329; Platte River, XVII, 212; St. Louis, XIV, 109, 110; Virginia, III, 47; geological formation, XVII, 199, 200; character of, IX, 127, XIV, 211, XVII, 192; strata, V, 241, XVI, 141, XXVI, 139, XXVII, 107, XXVIII, 104; substratum, XXVI, 87; abundant, VIII, 283, IX, 67, 108, 183, X, 65, 67, XX, 242, XXII, 126, 211, 252, XXVI, 144, XXX, 44, 75; scarce, IX, 116, X, 274, XI, 264; primary, XIV, 212, XVII, 219, 247-249, XXVI, 51; secondary, XIV, 77, 212, XXII, 87, XXVI, 73, 75, 296, XXVII, 111; argillaceous, XIII, 307; carbonate, XVII, 254; compact, XIV, 50, 62, 66, 73, 80, 83, 89, 150, XV, 182, XVI, 188, 189, XVII, 44, 87, 92, 217-222, 225, 233, 235, 242, 245, 246, 248, 254, XXVI, 147; granular, XIV, 212, XV, 183, XVII, 247, 248; sparry, 87, 219, 224, 241; horizontal, XV, 181, 182, XVII, 221, 245; laminated, XIII, 56; metalliferous, XIV, 50, 52, 54, 60, XVII, 229, 247-249; ordovician, XIV, 66; porous, XXVI, 163, 178, 213; shell, IX, 310, XVII, 226, XXIV, 129; subcarboniferous, XXVI, 212; transition, XVII, 248; blue, III, 49, 82, IV, 193, XIV, 212, XV, 174, XVI, 165, XVII, 87, 218, 221; dark-colored, XXVII, 111; white, XIII, 219, XVII, 222; as building material, IX, 67, XIV, 60, 271, XXVI, 144, 147, 151, 162, 173, 181, 268, 269, 360, XXVII, 82; blocks of, 113; bluffs, XXVI, 121, 177; cliffs, 102; for making mortar, X, 191; as plaster, XXVII, 62; stucco, 80; used in paving, XIV, 66; used in Indian graves, XXVII, 101; parapet, 109; perpendicular column, XXVI, 89; fissure in, 263; fossils in, IV, 272, XVI, 41, XXII, 254, 267, XXVI, 88; impression of human feet upon, XIV, 109, 110, XXVI, 146, 147; observed by Farnham, XXVIII, 184, 187, 238, 278; Flagg, XXVI, 50, 69, 70, 71, 171, 202, 269, 277, 295, 346; Flint, IX, 69, 122, 131, 146, 158, 279-281; Hulme, X, 35, 62, 63, 77, 82; James, XVII, 44; Long, XVI, 94, 97; Maximilian, XXII, 171, 201, 202, 207, 208, 210, 212, 245, XXIV, 141; Nuttall, XIII, 36, 52, 219, 230, 237, 241, 243; Townsend, XXI, 125, 166, 178; Woods, X, 201, 202, 208, 235; -kilns, XXII, 87, 128, XXVI, 114.
- Limestone (Ky.). See Maysville.
- Limestone Cove (Tenn.), A. Michaux in, III, 99, 104; F. A. Michaux, 283, 284.
- Limnetis, habitat, XIV, 220.

- Limosa scolopacea*, described, XIV, 253, 254.
- Linch, David, drowned, XX, 97.
- Lincoln, President Abraham, in Illinois, X, 15, XXVI, 318; in Kentucky, III, 88; influenced by Owen, XXIV, 133.
- Lincoln, Abraham, pioneer, at Anderson's Creek, X, 248.
- Lincoln, Gen. Benjamin, in Lincolnton (N. C.), III, 55.
- Lincoln, Maj. Joseph, in Revolution, IV, 125.
- Lincoln, Thomas, at Anderson's Creek, X, 248.
- Lincoln (Ky.), A. Michaux in, III, 51.
- Lincoln County (Ky.), first brick house in, XXVI, 215.
- Lincoln County (Mo.) Cap au Gris in, XXVI, 129.
- Lincoln County (N. C.), Germans in, III, 292, 298; seat, 55.
- Lincoln County (Oregon), river in, XXX, 176.
- Lincolnton (Lincoln, N. C.), A. Michaux in, III, 55, 104; F. A. Michaux, 291; sketch, 55.
- Linctot, Godefroy, Indian trader, II, 188.
- Linden (Pa.), location, I, 189.
- Linden trees (*tilia americana*), habitat, XV, 115, XVI, 160; soil adapted to, XIV, 184; size, 124, 125, XV, 177, XXVI, 111; value, XV, 116.
- Linen. See Cloth.
- Linn, L. E., land purchase, XXVI, 96.
- Linn, Lewis F., petition presented to Congress by, XXIX, 33; bill for Oregon settlers, 280; town named for, XXX, 162; sketch, 162.
- Linn, W. A., *Story of the Mormons*, XXIV, 120.
- Linn City (Oregon), site, XXX, 162; country described, 164, 165; mount in, XXIX, 34; drainage, XXX, 184; described, 162, 163; sketch, 162.
- Linnæan Society, founded, XIV, 70; Bullock in, XIX, 14; Lambert, XXII, 186; Nuttall, XIII, 12; *Transactions*, XIX, 14.
- Linnaeus, Carolus, naturalist, XIV, 119.
- Linnis station (Ky.), site, XXVI, 48.
- Linton (Linnville, Oregon), as a boundary, XXX, 204; Burnett, XXIX, 280; sketch, XXX, 224.
- Linnville (Tex.), destroyed by Indians, XX, 348, 349.
- Linseed, as a remedy, XXII, 167.
- Linsly, Noah, founds academy, XII, 204.
- Lint, abundant, XVIII, 378.
- Linton, —, in Pittsburg, IV, 82.
- Linum, Lewisii*, V, 318, XV, 281; *rigidum*, V, 318, XVI, 65.
- Lion's heart (*prenanthes rubicunda*), described by Maximilian, XXII, 95.
- Lipan Indians, incursions of, XVIII, 373.
- Lipscombe County (Tex.), Camp Comanche in, XX, 122.
- Liquors, manufacture, X, 341, XI, 290; distilleries, III, 144, IV, 53, V, 285, XX, 156; home-brewed, V, 312; shops, 300, XIII, 42, 44, XXI, 134; bar keepers, XI, 70, XII, 226; article of trade, IX, 63, XXI, 192, XXII, 182, XXIII, 277, XXX, 74, 309; adulterated, XII, 315; prices, IX, 31,

- 293, XI, 35, 103, XII, 294, XIII, 112, XX, 37; as a beverage, V, 280, VII, 179, IX, 60, X, 190, XII, 133, 134, 166, 272, XIII, 69; as medicine, IX, 33, XXX, 311; equipment, IX, 89, XII, 158; present, XVI, 185, XXIII, 128; Indians use, I, 32, 41, 284, IX, 250, XIII, 239, XVII, 167, 168, XVIII, 370, 373; fondness for, I, 41, XIII, 304, XVIII, 176, 177, XX, 75, 103; demoralizing effect, I, 31, 32, 74-76, 111, 158, 185, 236, 254, 307, 308, 319, II, 106-108, 130, 146, 149, 150, XIV, 194, 270, XX, 298, XXVII, 302; refused by Indians, XIII, 72; prohibited, I, 41, 319, VIII, 154, XXVII, 261, 262, 396, XXVIII, 263; intemperance among whites, III, 247, VIII, 261, XII, 103, XXI, 231, 324 (see also Frontiersmen, Indians, and Taverns); temperance fostered, IX, 60, XIV, 26, XIX, 38, XXVI, 308; prohibition, IX, 261, XXIX, 99-101, XXX, 303, 309. See also Manufactures: liquors, and the various kinds.
- Liriodendron tulipifera*, III, 66, 79, 83, 89, 91, 176, XIV, 69.
- Lisa, Manuel, fur-trader, V, 11, 96, 262, VI, 10, 23, 27, 30, 31, 39, 54, 268, XIII, 237, XIV, 221, 267-269, XVI, 280; characterized, V, 25, 26, VI, 43, 44, 56, 70, 73; expedition up Missouri, V, 117, VI, 10, 23, 132, 139; encampment, V, 120, 182; overtakes Hunt, VI, 10; relations with Hunt, V, 119, 122, 137, 142, VI, 64, 106, 107, 111, 113, 120, 132; with Brackenridge, V, 183, VI, 54; Crooks, V, 161; Dorion, 121, 122; Henry, VI, 138; McClellan, V, 106; incidents of voyage, 167, VI, 44, 45, 68, 74, 75, 89, 91, 93; return, 146; relations with Indians, V, 97, 126, 129-132, 162, 190, VI, 116, XV, 108, 109; Indian wife, XXII, 268; trading-posts, XVIII, 141, XXII, 267, 336, XXIII, 217; at St. Louis, V, 179, 199, VI, 52; Council Bluffs, XIV, 280, XV, 96, 97; Fort Mandan, V, 155, 160, 161; creek named for, XXII, 290; dinner, XIV, 265, 280; sketch, V, 97.
- Litchfield (Conn.), Catlin in, XXII, 32; Congregational church, XXVIII, 275; emigrants from, XXVI, 200.
- Litharge, prices, X, 75.
- Lithomarge, observed by Maximilian, XXII, 302.
- Little, —, in Washington (D. C.), XII, 56.
- Little, John, boat-builder, VI, 303.
- Little Black Bear (Wasabajingga), chief, XIV, 234, 287; present to O'Fallon, 239; described, 235.
- Little Bow, Omaha chief, XIV, 318, 319.
- Little Chief (Flat-head). See Ensyla.
- Little Chief (Kahegawataningga), Kansa chief, XIV, 177.
- Little Chief, Miami Indian, befriends Morris, I, 308, 309.
- Little Crossing (Pa.), location, X, 211, 212.
- Little Doctor, Creek chief, XXVIII, 129.
- Little Falls township (N. Y.), II, 126.
- Little French Village (Ill.), described by Flagg, XXVI, 255, 256.
- Little Grizzly Bear (Mottschujinga), among Pawnee, XV, 88.
- Little Hawk (Starapat, La Main pleine de Sang, Old Star), Arikara chief, XXII, 336.
- Little Meadows (Pa.), Washington at, III, 321.
- Little Prairie (Ark.), De Soto in, XIII, 323.
- Little Prairie (Mo.), earthquakes in, XIII, 79, XVII, 89; Great Swamp near, 121; Cumming in, IV, 283, 291; Nuttall, XIII, 82; population, IV, 283, XIII, 79.
- Little River County (Ark.), river in, XVII, 51.

Little Robe Indians, stock, XXIX, 360.

Little Rock (La Petite Rochelle, Ark.), XVII, 61; origin of name, XIII, 146; argillite in, XVII, 227; distance from Belle Point, 83; Cadron settlement, XIII, 156; Lockhart's, XVII, 80; Pyeattstown, XIII, 152; roads, 147, XVII, 28; as a boundary, XIII, 177, 288, XVII, 235; establishment of, XIII, 288; settlements in, 140, 144, 145; capital of Louisiana Territory, IV, 298; James and Swift in, XIV, 17, XVII, 83; Nuttall, XIII, 143; described, XVII, 82, 127; sketch, XIII, 146; *Arkansas Gazette*, 293; *Intelligencer*, XIX, 165.

Little Soldier (Miaketa), Oto chief, exploits, XIV, 232, 233, XV, 134, 142; vengeance, 108, 109.

Little Soldier (Tukan Haton), Sioux, on "Yellowstone," XXII, 311; smoking, 313; portrait, XXIV, 92.

Little Tortoise. See Michichinakua.

Little Turtle, Indian chief, VIII, 120.

Little Village (Ill.), originally St. Philippe, XXVII, 92.

Littlejohn, P. B., missionary, XXX, 168.

Littlestown (Pa.), A. Michaux in, III, 50, 52.

Lively, James and Reuben, in St. Clair County (Ill.), XXVII, 112.

Livermore, Thomas, deserts Wyeth, XXI, 49, 81.

Livingston, Robert R., builds "New Orleans," IX, 154.

Livingston (Mont.), site, XVIII, 142, XXVII, 392.

Livingston County (Ill.), river in, XXVII, 22.

Livingston County (Ky.), seat, VIII, 281, XIV, 83, XXII, 203.

Livingston Manor (N. Y.), Weiser in, I, 17.

Lizards, habitat, VI, 221, XIII, 311, XXVIII, 222, 245; numerous, VIII, 349, XII, 99, XXII, 169; scarce, XXIV, 118; in prairie-dog burrows, XVI, 223; in Indian folk-lore, XXIII, 343; superstition regarding, XXIV, 34; as food, XXVIII, 249; preserved in whiskey, XXI, 325; green striped, XIII, 235; *agama collaris*, XVI, 283, 284; *undulata*, XXII, 210; *ameiva lacerta*, XVI, 43; *tessellata*, 43; *phrynosoma*, XIX, 328, XXIII, 250. See also Frogs, horned.

Llano Estacado (Staked Plain), location, XX, 250; character, 137; rivers in, 216, 252; Gregg on, 211, 239.

Lloyd, Hannibal Evans, translates Maximilian's *Travels*, XXII, 20, 36; publisher, 19; quoted, 186, XXIII, 69, 239, 324; *Englisches Lesebuch*, XXII, 36.

Lloyd's, agent of, on "Ruthy," XI, 35.

Load stone, cliff of, XVIII, 118.

Lobelia, abundant, XXVI, 287; *cardinalis*, III, 29, 230, XVI, 155; *inflata*, III, 29; *siphilitica*, 29, 230.

Lochon, Sieur de, discovers silver, XXVI, 104.

Lock, —, exploration in Cascades, XXX, 130-136, 151.

Lockbourne (Ohio), founded, XXIV, 150, 151.

Locke, John, author, X, 157, 167.

Lockert (Lockhart), William, in Arkansas, XIII, 147.

Lockhart, Charles, salt-proprietor, XIV, 163, XVII, 58.

Lockhart, John Gibson, author, IX, 298.

- Lockport (N. Y.), Lewiston road, XIX, 150; Bullock in, 149, 151; Maximilian, XXIV, 178.
- Lockport (Ohio), sketch, XXIV, 154.
- Locks, wooden, X, 278; in trade, XXI, 100.
- Locksmiths. See Trades.
- Lockwood, —, fur-trader, V, 36.
- Lockwood, G. B., *New Harmony Communities*, XXIV, 133, XXVI, 68.
- "Locust Grove," home of Croghan, VIII, 200, 279; Clark in, XVIII, 30.
- Locusts (*robinia*), observed, XXII, 145; abundant, XVI, 240; habitat, IV, 93, XII, 188, XVII, 63, XIX, 77; when budded, 75; allied trees, XVIII, 94; black (*pseudacacia*), habitat, V, 255, XVII, 115; size, XXVII, 75; blossoms, V, 280; uses, 279, IX, 255, XXVIII, 122; honey (*gleditschia*), habitat, III, 229, V, 255, X, 227, 306, XIV, 156, 161, 213, XVI, 92, 156, 163, XVII, 115, 116, XIX, 61, XXIV, 121; observed by Nuttall, XIII, 90, 97, 104; in Kentucky, VIII, 276; Tennessee, III, 274; fruit, XIX, 297; uses, III, 77, V, 279; *acanthus*, III, 212; *brachycarpa*, XIII, 95; *brachyloba*, 104; *inermis*, XXII, 60; *monosperma*, III, 302, XIII, 71, 95, 104, 105; *triacanthus*, III, 36, 43, 66, 74, 75, 220, 274, XIII, 95, XXII, 60, 166.
- Locusts (*cicoda septem decem*), described, XI, 158, XXII, 137; habits, XXIII, 165; devoured, XVI, 127, 128; as food, XX, 333, XXIX, 223.
- Loftus, Maj. Arthur, in Mississippi, I, 305; in Pontiac's War, IV, 328; sketch, I, 305.
- Loftus Heights (Miss.), location, IV, 328, 346, VIII, 325; garrison, IV, 329, 357; Wilkinson commands, 357; Peyton in, 361; sketch, 328.
- Logan, Mingo chief, I, 127, 128, 235, IV, 220; in Battle of Point Pleasant, XIV, 63; family massacred, IV, 117; speech, XIV, 64; quoted, 63, 64.
- Logan, Gen. Benjamin, pioneer, III, 18; in Kentucky, 39, XVIII, 11; hesitates to join Genet, III, 39, 42; in Revolution, XVIII, 11; expedition against Indians, 29, 30; sketch, III, 40.
- Logan, Col. James, Grand Saline described by, XX, 246.
- Logan, William, in Carlisle (Pa.), I, 84.
- Logan County (Ark.), creeks in, XIII, 193, 194; mountains, 194.
- Logan County (Colo.), creek in, XV, 260.
- Logan County (Ky.), Butler in, XVIII, 313.
- Logan County (Ohio), Kenton in, XXVI, 215.
- Logan's Station (Ky.), Logan in, III, 40.
- Logstown (Chinnigné, Shenango, Pa.), Indian village, I, 24; location, 25; Indians in, 60, 61, 245, 257; Indian councils, 25-43, 62-69, 76-79, 91; French-Indian council, 73, 76; English-Indian council, 28-43, 58, 62-69, 76, 94; Céleron in, 89; Croghan, 48, 53, 58, 89, 127; Delaware Jo, 86; Post, 201, 281; Scarroyahy, 28; Weiser, 24, 25; described, IV, 97; sketch, I, 24.
- Loisel (L'Oiselle), Registre, trader, V, 184, VI, 77; escape of, 81; on Great Cedar Island, V, 184.
- Lok, Michael, story of De Fuca, XXVIII, 31.
- Loloten Indians, tribe of Klamath, XXI, 329.
- Lone Elm. See Round Grove.
- Lone Pine Stump, sketch, XXVIII, 324, XXX, 243.
- Lone Star republic, joined by Santa Fé, XIX, 166. See also Texas.
- Long, —, in continental congress, II, 210.
- Long, —, English emigrant, XI, 117, 125, 161, 245.

Long, —, Ohio settler, IV, 141.

Long, James, Natchez merchant, XVI, 208.

Long, John, arrives in Canada, II, 9, 31-36; at Indian missions, 9, 36, 58, 70, 71, 76; in Revolution, 9, 10, 53-70, 209; enters fur trade, 10, 11, 13, 74, 76; near Lake Nipigon, 78-81, 86-88, 91-99, 112, 122-132; at Pays Plat, 132-139, 171; second year's trade, 142, 146-172; at Mackinac, 177-181; expedition across Wisconsin, 12, 184-191; returns to Canada, 190, 191, 201-205; on Saguenay, 191-201; revisits England, 12, 205, 206; in New York, 12, 207-213; with Loyalists, 214-220; later life, 12, 13, 220, 221; knowledge of Indian languages, 9, 36-61, 70, 140, 217; adopted by Indians, 11, 82-86, 101, 138, 148, 202-205; Indian name, 85, 105, 107, 138; influence with Indians, 100-136, 151; taken for, 71; geographical information, 120, 121; publishes travels, 13; *Voyages*, cited, I, 310, VI, 61, 119, 123, 242, 252, 307, 365, 394, 397, VII, 35, 36, VIII, 45, 158, 159, 222, 228, 230, 232, 234, 292, IX, 188, 313, XII, 52, XIII, 190, XV, 122, XVI, 47, XIX, 45, 49, XX, 290, XXI, 122, 183, XXII, 217, 234, XXIII, 318, XXIV, 163, XXVI, 280, XXVIII, 155, XXIX, 52, 100, 191, 239.

Long, Dr. John E., Oregon emigrant, XXIX, 280, XXX, 308, 311.

Long, Maj. Stephen Harriman, sketch, IX, 164, 165, XIV, 10, 11; promoted, 25; first expedition, 25, XXII, 219, 391, XXIII, 102, 192; qualities, XIV, 24, XV, 198, 225, XVI, 114; in Franklin (Mo.), XV, 178; St. Louis, XIV, 13, XV, 165, XVII, 88; Washington, XIV, 12, 18, 248-250, XVII, 88; illness, XV, 208, 218, XVII, 85; report to secretary of war, XIV, 18, 20, XVII, 93-183; journal, XIV, 17, 23, 24, 38, 41, XVI, 36, XVII, 218; *Railroad Manual*, XIV, 25; commands expedition, 9, 21-23, 40, XVII, 256, XVIII, 41, XIX, 249, XX, 89, XXI, 102, XXII, 9, 301, XXIV, 82, 189; instructions, XIV, 37-43, 248, 263, XV, 188-190, XVII, 97; starting point, XXVI, 117; at Pittsburg, XIV, 39; Cincinnati, 65-68; on Mississippi, 92-108; St. Louis, 108-121; Franklin, 151-157; up Missouri, 121-182, 215-227, XXII, 237; Engineer Cantonment, XIV, 221, 229-288, XV, 188-193, XVII, 96; numbers in party, XIV, 13, 14, 178, 183, XV, 220, 221, XVI, 58, 63, 71; personnel, XIV, 39-41, 157, 172, XV, 190, 191, XVII, 12, 97, 98, XXI, 43; divided, XIV, 15, 127, 129, 157, 172, XV, 290, XVI, 54, 58, 63, 192, 225, XVII, 88, 93, 99, 100, 259, 262; reunited, XIV, 137, XVI, 186, 291; guides, XV, 190, 198, XVI, 226, 227, XVII, 12, 14, 18; hunter, XIV, 268, 269; interpreters, XV, 190, XVII, 157; sentinels, XV, 255, 273; troops, 190; artists and scientists, 238, XXII, 13, 69, 70, 164, XXIII, 218, XXIV, 114; meet traders, XV, 213, XVI, 185; deserters, 21, 187; line of march, XV, 198; rally, 255; day's journey, 234; across the plains, 193-285, XVII, 99, 190; in Rocky Mountains, XV, 246, 285-315, XVI, 11-102, XVII, 99, 183, 258, XXII, 275; Pike's Peak, XV, 314, XVI, 11-24; down Arkansas, XIII, 147, XVI, 192-291; Canadian, XIII, 231, XVI, 135-187, XVII, 79, 100; to Cape Girardeau, XIV, 17, XVII, 11-41; Washita, XIII, 283, XVII, 42-60; hardships, XIV, 22, 79, 80, 107, 122, 130-132, 184, XV, 194, 203, 249, 315, XVI, 31, 68, 71, 73, 82, 84, 93, 94, 96, 102, 111, 121, 129, 148, 150, 151, 153, 169, 182, XVII, 101, 102; robbed, XVI, 21, XVII, 96; storms met, XIV, 64, 148, XV, 172, 181, 186, XVI, 80-82, 131, 182, 185; illness, XIV, 17, 182, 185, XV, 294, 297, XVII, 85, 88, 97, 101; losses, XIV, 64, 131, 132, 206, XV, 181, 201, 218, 259, XVI, 186, 187, 227, XVII, 101; mirage, XIV, 14, XV, 184, 259, 265, 266, 268; Fourth of July celebrated, 275; relations with Indians, XIV, 14-18, 25, 38, 176, 183-185, 203-205, XV, 200-208, 210-220, 254, 255, XVI, 55, 56, 62, 63, 104-115, 119, 120, 184, XXI, 76, XXII, 304, XXIV, 106; selects site for fort, XIII, 197, XVI, 187, XX, 100; nomenclature, XIV, 14, 15, XV, 271, XVII, 216, XXVIII, 111; astronomical observations, XIV, 15, 18, 19, 77, 92, 128, 145, 170, 171, 219, 222, XV, 137, 138, 201, 226, 229, 234, 250, 264, 271-274, 276, 281, 297, 300, 301, XVI, 37, 52, 60, 62, 75, 81, 90, 97, 125, 136, 139, 157, 163, 180, XVII, 11, 96, 97, 102, 180, 256-262; barometrical, XIV, 179, 249, 277, 278; botanical, 41, 42, 53-57, 61, 62, 65-70, 74, 75, 83-85, 90, 91, 93, 94, 107, 111, 124, 128, 129, 134, 136, 140, 156, 161, 173, 186, 213, 220,

289, XV, 171, 172, 176, 177, 181, 186, 187, 200, 218, 223, 226, 231-233, 240, 242, 249, 258, 259, 261, 263, 264, 272, 273, 276, 277, 280, 288, 294, 305, 306, 308, 310-313, XVI, 64, 65, 71, 85, 89, 95, 96, 98, 100, 102, 121, 125, 139, 143, 151, 152, 155, 156, 161, 168, 170, 171, 182, 184, 185, XVII, 99, 115, 116; geographical, 189; geological, XIV, 18, 49-55, 57-60, 62, 66, 73, 74, 76-78, 80-83, 86, 88-92, 94, 95, 98, 109, 110, 112-120, 123, 126, 142, 143, 150, 161, 163, 170, XV, 173-175, 178, 181-183, 218, 224, 241, 242, 252, 279, 280, 285-288, 298, 300-302, 306, XVI, 30, 33-35, 40, 41, 66-68, 70-75, 77-80, 85, 86, 90-92, 94, 99, 120, 126, 135, 137, 138, 140, 141, 143, 156, 162-165, 172, 173, 188, 189, XVII, 31, 43, 87, 99, 102, 104, 105, 133-135, 142-144, 149, 150, 177, 183-255; meteorological, XIV, 18, 19, 70, 111, 170, 249, 263, 273, 274, 280, XV, 139, 172, 175, 176, 181, 183, 184, 186, 196, 198, 199, 226, 231, 234, 251, 264-271, 273, 304, 307, 314, XVI, 72, 121, 129, 131, 132, 146-148, 158, XVII, 83, 96, 102, 263-288; mineralogical, XIV, 18, XVII, 183-255; thermometrical, XV, 216, 251, 265, 271, 273, 275, 292, XVI, 22, 30, 64, 73, 82, 97, 103, 104, 121, 123, 126, 132, 138, 140, 146, 158, 163, 169, XVII, 46, 47; topographical, XIV, 17, 23, 43, 46-52, 55, 64, 68, 75, 97, 98, 101, 102, 136, 164, 165, 179, 180, 210, 211, 213, 218-220, 228, XV, 138, 149, 173, 178, 181-183, 185, 196, 197, 199, 221, 231, 235, 240, 241, 258, 263, 271-273, 295, 296, 308, 309, XVI, 81, 101, 122, 133, 141, 162, 183, 188, XVII, 34-41, 94, 95, 97, 102, 105-115, 117, 118, 120-128, 132-143, 148-150, 174-180, 189-191; zoological, XIV, 42, 44-47, 79, 81, 93, 100, 101, 106, 107, 130, 131, 166, 167, 181, 182, 210, 214, 215, 247, 248, 250-257, 271-273, 277, 278, XV, 137-139, 141, 142, 168, 169, 201, 221, 225, 226, 233, 236, 237, 242, 247, 248, 259-261, 272, 277, 278, 288, 289, 299, 300, 304, 307, 308, 313, 314, 317-328, XVI, 27-29, 37-40, 43, 44, 54, 55, 60, 69, 88, 89, 98, 100, 120, 125, 127, 128, 139, 146, 151, 152, 169, 171, 172; stolen, XV, 259, 261; collections, XIV, 24, 36, XV, 166, 229, 241, 276, 277, 280, 281, 294, 300, 313, 314, XVI, 21, 65, 71, 89, 96, 156, 178, 185, XVII, 93, 103, 181, XVIII, 87, 88; surveys, XVII, 96, 181; Indian vocabularies, 306; maps, XIV, 41, XV, 250, 251, 274, 297, 305, XVI, 26, 85, 136, 142, 157, 164, 175, 255, 256, XVII, 36, 216; narrative published, XIV, 18, 19, XV, 69, XXIV, 125; reports cited, XIV, 20, 21, 35, XX, 278, XXII, 243, 268, 305, 383. See also James (Dr. Edwin).

Longford Station (Ky.), A. Michaux in, III, 45.

Long Hair, Crow chief, XXII, 353; sketch, 353.

Long Hair (Tarrarecawao), Pawnee chief, XIV, 240, XVII, 152; character of, XIV, 244; lodge described, XV, 205; number of wives and children, 205; relations with Pawnee Loups, 356; with Dorion, XIV, 242, 243; Long's expedition, XV, 206; speech to O'Fallon, 347, 348, 351; O'Fallon's address, 145, 355; described, XIV, 241; anecdote, 241-243; cited, XV, 349.

Long Knives. See Big Knives, and Frontiersmen.

Long Lake (Ky.), A. Michaux in, III, 89.

Long Narrows, in Juniata valley, XXII, 133.

Long Neck (Nehebada), Kansa chief, XIV, 177.

Long Prairie (Ark.), Caddo Indians in, XIII, 147.

Long Prairie (Ill.), location, X, 333; size, 270; Woods in, 260, 271.

Longprie, —, in St. Domingo, V, 199; experiences earthquake, 210; in Natchez, 212.

Longtonguebuffs, Kalapuya tribe, VII, 230.

Looking-glasses, carried by Indians, XVI, 117, XXII, 228, XXIII, 258, XXIV, 52, XXVII, 200, XXVIII, 332; article of trade, XIV, 310, XV, 192, 217, XX, 131, 186, XXI, 32; as present, VI, 245, VII, 68, XVI, 56, XXI, 245, XXIII, 161, XXIV, 68; how framed, XXIII, 258; manufacturers, V, 285.

Looney, Capt. David, in Tennessee, III, 96.

- Loons (*mergus merganser*), habitat, XXVIII, 370; described, II, 73; hunted, V, 203.
- Loper, Squire, in Dover (Del.), XII, 83, 84.
- Lopez, Don Dámaso, mining experience, XIX, 307.
- Lorain County (Ohio), river in, VIII, 192.
- Loras, Bishop Mathias, sends out missionaries, XXIX, 233, 240; sketch, 233, 234; *Reminiscences*, 234.
- Lord, Hugh, commandant of Illinois, XXVII, 79, 80.
- Lorette Indians mission colony of, II, 192; language, I, 320; Indian from, II, 207-210; treachery of, I, 296, 320, 323, 325.
- Lorette (Can.), described by Flint, IX, 330; sketch, 313.
- Loretto, —, in battle at Fort McKenzie, XXIII, 147.
- Los Angeles (Cal.), location, XVIII, 275, 279; port, 277; trail, 75; missions near, 277; Pattie in, 307; Sublette, XXI, 87; described, XVIII, 278; sketch, 278.
- Losantiville (Ohio), becomes Cincinnati, IV, 256.
- Loskiel, George Henry, *Moravian Missions*, III, 338, XXII, 124.
- Los Ranchos (N. Mex.), location, XIX, 284.
- Lost Spring. See Springs: Lost.
- Lotteries. See Amusements.
- Loudon (Loudoun), Lord (John Campbell), road of, II, 204.
- Loudon (Pa.), location, I, 238; distance from Laughlin Town, IX, 79; population (1820), XIII, 38; described by Flint, IX, 69; sketch, 64.
- Loughborough, —, farmer, XI, 128.
- Loughlinstown (Pa.), Nuttall in, XIII, 42.
- Louis IX, king of France, mission named for, XVIII, 275; bay, VIII, 340.
- Louis XIV, La Salle's expedition sanctioned by, XXVII, 37; grant to Crozat, 42; fort named for, XIX, 46.
- Louis XV, petition from French colonists, XXVII, 64; Louisiana ceded by, 78; cited, 31.
- Louis XVI, "le désiré," XII, 47; era of, XXVI, 205.
- Louis XVIII, vessels of, XI, 49; painting of St. Louis presented by, XXVI, 168.
- Louis Philippe, French king, XI, 159; councillors, XXIII, 99; in United States, III, 217.
- Louisburg (N. S.), in French and Indian War, I, 296; siege of, 103, 153, II, 216; capture, I, 112.
- Louisiana, origin of name, XIX, 47, XXVII, 40; map, V, 248; described, IV, 310, VI, 153-162, XIV, 23, XVII, 66, XXVII, 49; climate, V, 274, 283, 284, VI, 158-160, XIII, 313, XIX, 130, XXII, 32; topography, IV, 308, 322, VI, 153, 154, XIII, 179, XVII, 60, 63; water courses, VI, 160, XVI, 84, XVII, 53, 59, 61, 77, 238; inundations, 60; geologic changes, VI, 156, 157; fossils, V, 254; minerals, IV, 179, V, 244, 278, VI, 163, XVII, 29, 39, 212; plants, III, 95, XIII, 71; explorations, V, 296; boundaries, 235, VIII, 338, XVI, 177, XVII, 12, 240, XVIII, 375, XIX, 217, XXVIII, 108; French colony, I, 137, 305, 327, III, 254, IV, 89, XXII, 219; governors, I, 114, 147, IV, 292, VIII, 350, XIII, 303, XV, 130, XXVI, 145; Spanish colony, III, 13, XIII, 138, 307, XVIII, 367, XXVII, 78; governors, III, 81, IV, 343, XIV, 99, XXII, 215, XXVI, 116, 148; retrocession to France, IX, 210, XXVII, 78; purchased by United States, III, 14, IV, 292, V, 236, 251, 259, 262, VIII, 338, IX, 210, 211, XII, 104, XIII, 308, XIV, 99, 103, XVII, 66, 68, XIX, 121, XXI, 22, XXVI, 148, 149, 165, XXVII, 50, 51, 56, 73, 78, XXVIII, 138; advantages of

purchase, V, 237, 270, 271, VI, 12, 162, 163, VIII, 297, 298, IX, 10; evils of foreign ownership, V, 271; controls Mississippi, III, 71; French intrigue against, 89, XXI, 22; subdivisions of, IV, 336, XIII, 177, XIX, 64, XXI, 50, XXVII, 56; upper Louisiana—natural features, IV, 271, 296, V, 58, 66, 319; settled, 257, XXVI, 95; history, II, 185, IV, 282, V, 9, XXVI, 120, 134, 152, XXVII, 50; settlers, V, 295, XIX, 174; statehood, X, 268, XIX, 64, XXI, 50; constitutional convention, XIII, 307; capital, IV, 340; American governors, 245, 362, XII, 92, XVIII, 32; voting, IX, 256; settlements, IV, 307, VI, 160, 161, XIII, 349, XIV, 138, XVII, 86, XXVII, 83, XXVIII, 150; military, V, 254, XVIII, 366, XXVI, 117; land titles, VIII, 303, XIII, 113, XIV, 103, 138, XXVII, 42, 43, 49, 50; Indians of, I, 75, III, 183, XIII, 133, 258, 338, 363, XVII, 70; negro revolt, XIII, 313; industry, III, 158, 159, 202, VI, 163, XIII, 318, XXVII, 42; route to, X, 208; French law, XXVII, 51; missions, XXIX, 166; petition to Congress, XIV, 138; French travellers, I, 138, XIII, 117, 120; American, V, 25, 35, VI, 9, 10, VIII, 327, XIII, 80, XVIII, 25, 366, XXVI, 65; individual settlers, III, 31, 39, IV, 166, V, 66, XIII, 138, 307, XVII, 67, XIX, 221, XXII, 282, XXVII, 202; students from, XXVI, 170; medical society, XV, 69.

Louisière, —, in Pittsburg, III, 31.

Louistown (Louis Town, Pa.), Maximilian in, XXII, 133.

Louisville (Ky.), location, VIII, 53, 257, 278, IX, 158, 190, X, 43, XVIII, 30, XIX, 42, XXIV, 142, XXVII, 110; width of Ohio at, VIII, 279, IX, 158, X, 246; falls, V, 301, XIV, 88, XVII, 174, XXI, 42; islands, X, 241, XXII, 155; rapids, XIV, 68; distance from Mammoth Cave, IX, 281; as a boundary, XIX, 153; stones, XVII, 245; trees, III, 176; birds, XV, 327; early settlement, I, 136, IV, 12; Cadillac governor, XXVI, 95; La Salle in possession, 179; roads and canals, III, 65, IV, 262, X, 243, XII, 227, 280, XIII, 66, XXVI, 49, 247; value of lands near, IV, 184; commercial centre, III, 194, 195, IV, 260, X, 221, XIX, 42; markets, III, 239, 240, IX, 234; scarcity of provisions, X, 245; price of horses, XII, 13; of land, V, 281; amount of exports, III, 240; trade with St. Louis, XXII, 216; shipping port, IV, 169, X, 69, XXII, 158; ship-yards, III, 160, 177, IV, 264, VIII, 279, XXI, 46, XXIV, 130; banks, XII, 270; cholera, XXII, 13, XXIV, 142; dramatic productions, XXVI, 11; elections, IX, 256; horse epidemic, XII, 273; militia returns, X, 357; museums, XXII, 139; newspapers, IX, 287; pasturage, XIV, 74, 75; planters, VIII, 279, 280; Buttrick in, 53; Clark, V, 254; Cuming, IV, 258; Faux, XI, 13, 198, XII, 12; Flagg, XXVI, 9, 12; Flint, IX, 298; Flower, X, 95; Hulme, 42, 64; Lacasagne, III, 18, 66; Long, XIV, 71, XVII, 102; Maximilian, XXII, 162; A. Michaux, III, 41, 42, 52, 65, 89; Nuttall, XIII, 64-66; Ogden, XIX, 11; Welby, XI, 16; Woods, X, 221, 243, 245; other travellers, III, 188, VIII, 79, X, 244, XI, 172, XXIV, 135, XXVI, 155, XXX, 162; steamboats, IX, 165, XI, 198, XII, 279, XVIII, 319, XXII, 159, XXIV, 131, XXVI, 43; "Enterprise," IX, 154; "Western Engineer," XIV, 18, XVII, 103; described by Bullock, XIX, 131, 132; Cuming, IV, 258-260; Faux, XI, 196; Flagg, XXVI, 47, 48; Flint, IX, 160; Maximilian, XXII, 156-158; Ogden, XIX, 40, 41; Welby, XII, 226, 227; Woods, X, 241, 242; population, IX, 160, XIII, 66, XIX, 40, XXII, 156; sketch, I, 136; *Courier*, XXVI, 30; *Directory for 1853*, 51; *Journal*, 9, 10, 29, 30; *Literary News*, 10.

Louisville & Portland Canal Company, incorporated by Kentucky legislature, XIII, 66, XXVI, 49; described by Flagg, 49.

Loup Indians. See Delawares and Pawnee.

Loup-cervier. See Lynx.

Loutre, Missouri Indian, XIV, 239, XV, 40.

Loutre Lick (Mo.), luminous phenomena, XV, 175; sketch, XXI, 130; Townsend at, 129; Van Bibber, XV, 174.

- Loutre Prairie (Mo.), Say on, XIV, 132; size, 133.
- Lovejoy, Asa L., founds Portland (Oregon), XXX, 166.
- Lovejoy, Elijah P., killed in riot, XXVI, 119.
- Lovely, Maj. —, Indian agent, XIII, 191.
- Lovent (Lorent) & Wulf, bankers, XI, 66, 121.
- Lowdermilk, William H., *History of Cumberland*, III, 366.
- Lowell (Mass.), manufactures in, XI, 54, XVIII, 343.
- Lower Blue Licks, salt springs in, III, 37.
- Lower Sandusky village, Kenton in, XXVI, 215.
- Lowndes, Jacob, prison philanthropist, XI, 158, 209, 210, XII, 55.
- Lowry, Dr. —, in Franklin (Mo.), XIV, 153, 156.
- Loyalhanna (Pa.), in French and Indian War, IV, 243; English in, I, 251, 254; Bouquet, 284; Post, 242.
- Loyalists, in Revolution, I, 101, II, 126; regarrison Fort Frontenac, 45; rewarded by land grants, 126, 214; settlements in Canada, 13, 44, 50, 218, VIII, 166; value to Canada, II, 218, 219; population, 218, 219.
- Loyola, St. Ignatius, portrait of, in St. Louis University, XXVI, 169; sojourn in Manresa, XXIX, 178.
- Ltavlén Indians. See Carrier.
- Lucas, Charles, challenges Benton, XXVI, 272; duel fought, 115.
- Lucas, J. B. C., in Pittsburg, III, 18, 31; sketch, 31.
- Lucerne, seeds of, V, 309.
- Lucier, Etienne, in Willamette valley, XXVII, 386; on French Prairie, XXIX, 167, 284.
- Lucile, Madame, superioress, XXVI, 279.
- Luckiamute Indians, sketch, XXX, 175.
- Ludington (Mich.), Marquette in, XXVII, 41.
- Ludlow, Henry, in Point Pleasant, XXII, 155.
- Ludlow, N. M., in St. Louis, XXVI, 164.
- Lumber and Lumbering. See Timber.
- Lummi, Charles F., *Land of Poco Tiempo*, XIX, 301, XX, 55.
- Lunaria, XIII, 193.
- Lundy's Lane, battle of, VIII, 175, XIII, 291.
- Lunnápæ Indians. See Delawares.
- Lupin, XV, 276; blue, abundant, XXI, 245; rose-colored, XXVII, 255; *lupinus hirsutus*, III, 53; *perennis*, 103; *pilosus*, 103; *pusillus*, V, 319.
- Lusk, —, ferryman, XVII, 92.
- Lutherans, in Pennsylvania, I, 18, 19, III, 135, 369, IV, 254, IX, 55; Illinois, XXVI, 235; Indiana, X, 50; oppose Harmonists, 312; Harmonists resemble, XI, 235.
- Lutz, Rev. —, in St. Louis, XXVI, 169.
- Luzerne County (Pa.), townships, XXII, 116; seat, 111; senator from, 112.
- Lyatris pycnostachia*, on Missouri River, XIV, 156.

- Lycoming County (Pa.), Post in, I, 189.
Lycoperdon, habitat, XV, 186.
Lycopus europeus, observed by James, XV, 281.
Lygodium palmatum (climbing fern), III, 45, 96.
 Lyle, Edith Kathryn, aid acknowledged, VI, 18, VII, 14, VIII, 13, IX, 13, X, 15, XI, 16, XVIII, 19.
 Lyman, George Williams, merchant, XI, 54.
 Lyman, H. S., *History of Oregon*, VI, 257, VII, 244, XXI, 29, XXVII, 320, XXVIII, 38, 290, XXIX, 116, XXX, 17, 159, 197; *Indian Names*, 206.
 Lyman, Gen. Phineas, colony, XIII, 299; in West Florida, IV, 308.
 Lyman, Theodore, merchant, XI, 54; relations with Faux, 55, 57, 60; attitude toward English emigration, 57; industry of, 63.
 Lyman County (S. Dak.), drainage, VI, 96, XXII, 302; hills in, 313.
 Lynch, Dominick, founds town, XXIV, 184.
 Lynchburg (N. Y.), origin of name, XXIV, 184.
 Lynchburg (Va.), slave auction, XII, 320.
 Lynn trees, habitat, VIII, 299.
 Lynx, habitat, II, 76, 132, VI, 323, XVII, 146, XXIX, 51; abundant, XXII, 135, XXVII, 334; as food, II, 183; *felis canadensis*, III, 234, XXII, 380; *rufa*, XV, 317, XXII, 380; skins, tanned, 98; article of trade, XXIII, 12; as badge, XXIV, 68; in Indian legend, XXIX, 377; number in pack, XXIII, 12; number sold annually, XXII, 380.
 Lyon, Adam, in Washington, XI, 118.
 Lyon, George Francis, sketch, XXIII, 160.
 "Lyon," Johnston on, XVIII, 25.
 Lyon County (Kans.), river in, XIX, 204.
 Lyon County (Ky.), Eddyville in, III, 81.
 Lyons, —, tavern-keeper, IV, 158.
 Lyons, Brother —, missionary, XXIX, 304.
 Lyons Association in behalf of Indian Missions, supplies funds, XXVII, 191.
Lysimachia thrysifolia, XV, 308.
 Lytle, William, land proprietor, XXII, 158.
 Lytleton, William Henry, governor of South Carolina, I, 286.
- MABIE, JAN, house of, XXIV, 187.
 Mably, Gabriel, *Gouvernement et les Lois des U. S.*, XII, 24.
 McAdams, William, *Ancient Races in Mississippi Valley*, XXVI, 184.
 McAfee, Robert B., *Late War in the Western Country*, VI, 392.
 McAfee family, in Kentucky, III, 35, 200.
 McAllister, Richard, in Hanover (Pa.), III, 50.
 McAllistertown, now Hanover (Pa.), III, 50.
 M'Arthur, Col. Duncan, in Ohio, IV, 215, 218, 219.

- Macaws, habitat, XXIII, 42.
- McBean (McBride), William B., clerk, XXIX, 287.
- M'Bride, —, in Salt Lick Landing (Ky.), IV, 165.
- Macby (Tenn.), F. A. Michaux in, III, 267; road, 268.
- McCaleb, Walter F., *Aaron Burr's Conspiracy*, IX, 211.
- McCammant, William, tavern-keeper, IV, 238.
- M'Cammon, —, in Charleston, IV, 219.
- McCarey, —, Indian interpreter, XXI, 223, 267.
- McCargo, Capt. —, in Sault Ste. Marie, VI, 392, 393.
- McCarty, Gen. —, in Chillicothe (Ohio), XI, 182, 183.
- McCarver, M. M., founds town, XXX, 224.
- McCaw, Dr. J., in Camden (S. C.), XI, 80.
- McCaws, Messrs., merchants, XI, 78.
- McClellan, Robert, early trading ventures, V, 36, VI, 64, 71, 78, XXII, 260, 267; joins Pacific Fur Company, VII, 39, 181; with Hunt's party, V, 228, VI, 71, 268; among Sioux, V, 106, 107, 110, VI, 83; relations with Lisa, V, 119, 122, 128, 129, VI, 107, 111; among Arikara, V, 126, 127; across the continent, 228-233, VI, 268-272; at Astoria, V, 224, 233, VI, 268, 272; discontented, 272, VII, 186; joins Stuart, V, 224, VI, 272, VII, 198, XV, 237; adventure with Indians, VI, 274, 275, VII, 186-188; returns home, VI, 405, VII, 222-228; adventures, V, 233, VII, 225; marksmanship, 181, 198; sketch, V, 36, 106, VI, 71.
- McClelland's Station (Ky.), now Georgetown, XI, 194.
- McClure, Gen. —, burns Newark (Can.), VIII, 166.
- McClure, Alexander, sketch, XXIV, 133.
- McClure, Col. John, sketch, XXX, 207.
- McClure, Mrs. Samuel, captured by Indians, XXVI, 215.
- McClure, William, XIII, 26; founds New Harmony (Ind.), XXII, 163, 164, XXIV, 133, XXVI, 68; on Wabash River, XXII, 13; kindness to Maximilian, 186; assists Say, 187; losses, 192; on Rush Creek, 193; *Observations on Geology*, XVII, 202, 237, 246, 249, 251-253; sketch, XXII, 163, 164.
- McConnellsburg (Pa.), originally M'Connelstown, XIII, 39; location, I, 239, XIII, 39; road, IX, 70; trade centre, IV, 62; Davis in, 51; Faux, XII, 21; Flint, IX, 70; Harris, III, 367, 372; Nuttall, XIII, 39; sketch, III, 367.
- McCoy, John, erects trading house, XXVII, 135.
- McCracken County (Ky.), seat, XXII, 203.
- McCrary, —, rowdyism of, XI, 299.
- McCrary, John, preacher, XI, 294.
- McCray, —, planter, XI, 79, 80.
- McCroghan, Dennis, sheriff, XXVII, 79.
- McCulloch, J. R., *Justice and Expediency of Reducing Interest of National Debt*, IX, 224.
- McCulloch vs. State of Maryland, IX, 209, XI, 223.
- M'Cullough, William, tavern-keeper, IV, 76, 241.
- M'Cully, —, in Pennsylvania, IV, 241.

- McDaniel, David, execution of, XX, 229.
- McDaniel, John, highway robber, XX, 228, 229, 231.
- M'David, —, planter, XXVII, 92.
- McDonald, Archibald, in Fort Colville, XXI, 344, XXVII, 330, XXIX, 39; *Peace River*, XXI, 344, XXIX, 58; sketch, XXI, 344.
- McDonald, Finnan, North West clerk, VI, 252; on Kootenai River, VII, 210; sketch, VI, 252.
- McDonald, James, manufacturer, V, 247.
- McDonald, John ("Bras croche"), on "Raccoon," VI, 299, 303, VII, 249; nickname, 249; commands fur trade brigade, VI, 336, 358; in Fort William, 295; accident to, 300, 301; on Rocky Mountains, 347; Athabasca River, 356; Rocky Mountain House, 357; Pembina River, 364; Red River, 379; peacemaker, 381; on Lake Superior, 391; present to Comcomly, VII, 249; in Fort George, 255; letter, VI, 349; *Journal*, 301, 302, 356; sketch, 299.
- McDonald Brothers, fur-traders, II, 15.
- McDonald Brothers, settle Mud-holes (Ind.), X, 62.
- McDonell, Miles, governor of Assiniboia, VI, 379-381; dispute with Pritchard, 380; in Caughnawaga (N. Y.), 380; at Long Sault, 399; sketch, 380.
- McDonough County (Ill.), in bounty tract, XXVI, 128.
- McDougall, Duncan, Astorian partner, VI, 188, VII, 10, 38, 40, 89; character, VI, 16, 219, 317, VII, 89, 92-94, 98, 262, 263; on "Tonquin," VI, 194, 204, 213, 230, VII, 51, 52, 234; commands Astoria, VI, 266, 273, 281, 296, VII, 239; hears of loss of "Tonquin," 163; visits "Raccoon," VI, 298, 299, VII, 248; on Columbia, VI, 239, 241; on Willamette, VII, 229; welcomes Thompson, 101, 102; illness, VI, 268, 279; accident, 240, 241, VII, 100; letters, 217, 231, 232; letters to, VI, 295; relations with Indians, VII, 61, 100, 247, 248; marries squaw, VI, 240; sale of Astoria, V, 37, VI, 405, VII, 216, 217, 236, 237, 243-246; with North West Company, 262; sketch, VI, 189, VII, 38.
- McDougall, George, in Oregon, XXX, 89.
- McDowell, Col. James, sketch, III, 48.
- McDowell, Capt. John, in Virginia, III, 48.
- McDuffie, —, character, XVIII, 26.
- Mace, reed (*typha*), habitat, XXII, 51; abundant, 80; observed by Faux, XII, 125.
- McElmurray, David, settlement, XIII, 168.
- McElmurray, John, in Cadron settlement, XIII, 157, 167.
- McFadden, Andrew, ferryman, III, 64, 86.
- McFarland, —, in Cadron (Ark.), XIII, 157.
- McFarland, R. W., *Simon Kenton*, XXVI, 215.
- M'Farlane, —, in Elizabethtown, IV, 94.
- M'Farlane, —, captured by Osage, XIII, 251.
- McFarlane, Dr. —, hospital, XXI, 96.
- Macfiddit, —, ferryman, III, 216.
- Macgan, —, landlord, X, 262.
- McGary, Hugh, Kentucky pioneer, XIII, 70; in Evansville (Ind.), X, 45.
- McGean (McGil), Brother J. B., missionary, XXIX, 183.

- McGill, —, in New Town (Va.), XI, 154.
- McGillis, Donald, joins Astorians, VII, 41; on "Tonquin," VI, 194; Oahu Island, 219; with R. Stuart, 267; expedition to Mad River, 272; reinforces D. Stuart, 277; in Fort George, 336; with Franchère, 350; on Moose Lake, 369; in Fort Okanagan, VII, 188, 199, 206; sketch, VI, 267.
- McGillivray, Joseph, at Fort Okanagan, VI, 345; sketch, 346; quoted, XXIX, 44.
- McGillivray, William, fur-trader, VI, 254; fort named for, 386; river, XXIX, 202; son of, VI, 346; sketch, 254.
- Machaha (Mahawha), Mandan village, XXIII, 254.
- McHenry, James, fort named for, X, 189.
- Machinists. See Trades.
- Machsi-Nika, Mandan Indian, XXIV, 68, 69.
- Machykeuetsa (Walking Bear), meets Astorians, VII, 147.
- McIntosh, Squire —, on Wabash River, XI, 217.
- McIntosh, Chilly, leads Creek emigration, XXVIII, 129.
- McIntosh, Gen. Lachlan, in Fort Laurens, I, 211; commands Fort Pitt (1778), IV, 99.
- McIntosh, Roderick, emigrant to West Florida, XXVIII, 129.
- McIntosh, Rolly, leads Creek emigration, XXVIII, 129.
- McIntosh, Gen. William, in Creek War, XXVIII, 129.
- McIntyre, John, founds Zanesville, IV, 125.
- Mack, Col. —, tavern-keeper, XIX, 134.
- Mack, Martin, Moravian missionary, XXII, 124.
- McKay, Dr. —, in Arkansas, XIII, 109.
- McKay, Alexander, Astorian, VI, 188-190, 193, 194, VII, 38, 42, 43; on "Tonquin," VI, 194, 213, 228, 237, 250, 290, 292, VII, 41, 51, 52, 79, 98, XXI, 296; relations with Thorn, VI, 230, 409, VII, 44, 45, 80, 167, 168; letter to Ross, 40; at Cape Disappointment, VI, 233, VII, 83; on Columbia, VI, 239, 242, VII, 95, 96; Cowlitz, VI, 244, 245; Newity, 277, 289, VII, 166, 169; relations with Indians, 41, 167; Hawaiians, 61; massacred, VI, 256, 291, 293, 399; sketch, 188, VII, 38, XXI, 201.
- McKay, Margaret, marries McLoughlin, XXI, 296.
- McKay, Thomas, clerk, VI, 194, 199; with North West Company, 336, 352; Hudson's Bay, XXI, 201, XXIX, 18; characteristics, XXI, 212, 213, 225, 226; at Fort Hall, 213; Fort Boise, XXVIII, 321; relations with Wyeth, XXI, 213, 226, 228-230; with Indians, 207, 208, 218; settles in Oregon, XXIX, 18, XXX, 120; sketch, XXI, 201.
- McKean, Thomas, governor of Pennsylvania, IV, 83.
- McKee, —, farmer, IV, 93, 253.
- McKee, Alexander, sketch, IV, 93, 94.
- McKeesport (Pa.), ship-building in, III, 338.
- McKendree, Bishop William, college named for, XXVI, 253.
- McKenney, Col. Thomas L., interest in Indian history, XXII, 70; author, XXIII, 191; *Indian Tribes*, XII, 51, XV, 144, 154, XVI, 275, XXII, 29, XXIII, 191, XXIV, 202, 203; *Memoirs*, XXVII, 96; *Tour of Lakes*, II, 147, XXIII, 191; sketch, 191.
- McKenzie, —, killed by Indians, VII, 97.

- Mackenzie, Sir Alexander, in fur trade, II, 15; explorer, V, 37, XVII, 236-238, XXI, 45, XXIX, 254; expedition to Arctic, VII, 38; to Pacific, VI, 187, 188, 244, 245, VII, 38, XXVII, 307, XXIX, 43, 117; describes routes, VI, 382-384; at Fort William, XXI, 296; fort named for, XXIX, 44; natural history notes, XV, 231, XVII, 238, 239; mentions berdash, XXIII, 284; sketch, VI, 187; *Travels*, II, 51, VI, 187, 382, XXI, 23, XXIII, 75, 76, 90, XXVI, 73, XXVIII, 152.
- McKenzie, Donald, Astorian partner, V, 36, 37, 106, VI, 16, 188, 405, VII, 10, 38, 42; accompanies Hunt, V, 179, 228, 231, 233, VII 41, 174, 184, 243; characteristics, V, 182, VII, 175, 177, 184, 185; in Astoria, VI, 268, 272, 281, 296, 336, VII, 172, 233; among Arikara, V, 115, 129, 131, 141; Kalapuya, VII, 231-233; Nez Percés, 214-221; Sioux, V, 106, 107; establishes post, VI, 277-280, VII, 194, 215; expeditions to interior, VI, 282, 294, 298, 304, VII, 198; on Willamette, VI, 273, 282, VII, 228, 229, 239; Mad River, VI, 269, 270; Okanagan, 283; names rivers, XXI, 269; relations with Bradbury, V, 70; Clarke, VII, 196, 217, 221; news of war, 216; attitude on sale of Astoria, 181, 216, 217, 236-238, 245, 246, 253, 255, 257; joins North West Company, 181; return to Canada, VI, 347, 358, 364, 391, VII, 264; adventures, VI, 283, VII, 197, 217; possesses documents, 263; sketch, V, 37, VI, 189, VII, 38, 174.
- McKenzie, Kenneth, fur-trader, XXI, 45, 83, XXII, 233, 378; on steamers, XXI, 46, 83, XXII, 239, 250, 311, XXIII, 26; Missouri River, XXII, 234, 235, 241, 262; in Fort Pierre, 328, 330, XXIII, 205; Union, XXII, 374, 383, XXIV, 14, 81, 318; builds fort, XXII, 376, XXIV, 49; employees, XXI, 84, XXII, 251, 294, 382, XXIII, 23, 68; deserters, XXII, 277; slave, XXIII, 192; letters to, XXII, 337, XXIII, 135; from, XXIV, 67; orders to Kipp, 52; relations with Maximilian, XXII, 16, 18, XXIII, 11, XXIV, 12; relations with Indians, XXII, 285, 286, 289, 343-345, 370, XXIII, 14-16, 21, 22, 155, 204, XXIV, 56; with Assiniboin, XXIII, 15; Blackfeet, 25, 91; Kutenai, 153; Ponca, XXII, 294, 295; Sioux, 341, 342; authority on Indians, XXI, 45, XXIV, 221, 222; plantations, XXII, 280, 281; collections, 301; supplies, 297; sketch, XXI, 45, XXII, 235.
- McKenzie, Roderick, rediscovers fur-trade route, VI, 384.
- Mackerel, shoals of, XII, 339.
- Mackey, —, in Louisiana, VI, 156; on Missouri River, III, 79, 80.
- Mackinac (Michillimackinac), Indian name for, II, 134; location, 50, 51, VIII, 229; early history, 231; supersedes Sault Ste. Marie, II, 79; Lahontan at, 28; route to, 41, 44; fur-trade centre, 30, 163, 168, 179; in Pontiac's War, 15, 82, 178; Revolution, 185, 190; War of 1812-15, 79, VI, 346, 396; Indians at, I, 160, II, 172, 189, XXVI, 149; favor English alliance, I, 19; Indian agents at, XX, 286; Aird, V, 87; Astorian expedition, VI, 268; Aulneau, 383; Carver, II, 30; Hunt and Mackenzie, VI, 189; Long, II, 10, 12, 17, 76, 78, 177, 187, 190, 191; Rogers, I, 101; Stuart, V, 224; described, VIII, 231; sketch, II, 177. See also Forts: Mackinac (Michillimackinac).
- Mackinac Company, first company in United States, XXII, 232; rendezvous, VII, 177; sketch, 35.
- Mackinaw, preferred to American goods, XVII, 154.
- Mackinaw City (Mich.), location, II, 177.
- McKinley, Archibald, succeeded by McBean, XXIX, 287; in Chehalem valley, XXX, 169.
- McKinley, William, traveller, IV, 70, 73; in state assembly, 71.
- McKinnon, Col. —, in Charleston (S. C.), XI, 70, 71.
- Mackinsy, —, in Kentucky, III, 89-91.
- Macklot, J., erects shot-tower, XXVI, 103.

- McKnight, John, in Mexico, XIX, 177; trader, 175.
- McKnight, Robert, works copper mines, XVIII, 350; expedition to Santa Fé, XIX, 175-177.
- McKnight & Brady, plat Illinoistown (Ill.), XXVII, 119.
- McLane, Neil, tavern-keeper, XIII, 96, 121.
- McLaughlin, —, Hudson's Bay employee, VI, 401.
- McLaughlin, Andrew, *Western Posts*, II, 52.
- McLean, John, North West Company factor, VI, 375; *Notes of Twenty-Five Years' Service*, XXIII, 73.
- McLean County (N. Dak.), creek in, XXII, 365; trading-post, XXIX, 233.
- McLennan, Donald (Franchère, McLellan), Astorian clerk, VI, 194, VII, 41; expedition to interior, VI, 254, 259, 260, 277, VII, 115, 125; returns, 154; with Clarke, 208, 211; joins North West Company, 264.
- McLennan, John F., on totemism, II, 124.
- McLeod, Archibald Norman, fort named for, XXIX, 58.
- McLeod, Gen. Hugh, commands Texas-New Mexico expedition, XVI, 85, XIX, 166, XX, 84; surrender of, 205; sketch, 205.
- McLeod, John, in Fort Walla Walla, XXI, 352; meets Townsend, 353; on Columbia River, 355, 358; Indian assists, 360; founds fort, XXIX, 59; sketch, XXI, 352.
- McLoughlin, Dr. John, governor, XXI, 295, XXVII, 235, 319, 386, XXVIII, 380, XXX, 208; character, XXI, 295, 296, 339, XXIX, 118, 123, XXX, 209; builds Vancouver, XXI, 297; at Vancouver, XIX, 238, XXI, 9, 201, 297, XXVII, 377, XXVIII, 321, XXIX, 63; relations to missionaries, XXI, 299, XXVI, 17, XXVII, 385, XXVIII, 374, XXIX, 138, 139; with travellers, XXI, 308, 369, XXVIII, 374, XXIX, 66, 132; with settlers, 193, XXX, 209, 306; criticised, XXIX, 24, 131; resigns, 193; land-claim, XXI, 301, XXVII, 390, XXIX, 15, XXX, 40; founds Oregon City, XXIX, 180, XXX, 158, 159; in England, XXIX, 119; organizes company, 96; colleagues, 284, XXX, 86; anecdote of, 10; cited, XXIX, 17.
- McLoughlin, John, Jr., assassinated, XXIX, 100.
- Maclura, habitat, XVII, 53; scarcity, 78.
- Macluria (Ind.), founded, XXII, 164.
- MacMahon, —, college professor, III, 213.
- McMaster, John Bach, *United States*, III, 140, IX, 130, 221.
- McMillan, A., sketch, VI, 295.
- McMillar, James, justice, XXVII, 79.
- McMullen, —, farmer, IV, 73.
- McMullin, —, on Cash River, IV, 279.
- McNair, Alexander, governor of Missouri, XVIII, 32.
- McNair, Lieut. John, commands Cap-au-Gris, XVIII, 33.
- McNair, Robert, in Troy (Mo.), XVIII, 32.
- McNair, Thomas, commands Cap-au-Gris, XVIII, 32.
- Macnamara, Capt. John, commands Mackinac traders, II, 185.
- McNeill, Capt. —, recommends pilot, XXI, 309.
- McNees, —, trader, XIX, 183.
- McNees, Samuel, in Franklin (Mo.), XIX, 183.

- MacNeil, —, ferryman, XVII, 28.
- Macomal, Indian chief, I, 220.
- Macomb, Alexander, VIII, 217, 238, 239; sketch, 217.
- Macomb, William, purchases islands, VIII, 227, 238.
- Macon County (Ill.), river in, XXVI, 319; seat, 330.
- Macoupin Settlement (Ill.), sketch, XXVI, 299.
- McPherson County (Kans.), creek in, XIX, 205.
- McSwain, Samuel, on Cascade Mountains, XXX, 155.
- McTavish, John George, agent of North West Company, VI, 254, 294, 297, VII, 217, 244; partner, VI, 341, VII, 216, 239; negotiates purchase of Astoria, 244, 245; in Astoria, VI, 282, 295, 299, 300, VII, 245, 255, 260, 336; relations with Astorians, VI, 284, VII, 246; commands Indian expedition, 257-259; accident to, VI, 337; captured, 376; sketch, 282.
- Madan, —, land surveyor, IV, 106.
- Mad Bear. See Manto-Uitkatt.
- Mad Buffalo, Osage chief, XIII, 277.
- Madera, —, tavern-keeper, XII, 16.
- Madison, Dolly, in Washington, XI, 128.
- Madison, George, sketch, III, 87.
- Madison, James, bishop of Virginia, III, 87.
- Madison, President James, III, 39, 87, XI, 39; advocates Illinois-Michigan Canal, IX, 186; resources, XI, 128; appointments of, IX, 278, XII, 23, 28, 65; presents medals, XXII, 285; river named for, XXVII, 224; *Federalist*, IX, 207; *Papers*, XI, 112.
- Madison (Ind.), location, IX, 158; county seat, XIX, 68; price of land in, XI, 289; bankers, 167; described, VIII, 77, IX, 250, 253, 254, X, 241; sketch, IX, 250.
- Madison (Ky.), Coburn founds, IV, 169; described, 168, XIII, 64.
- Madison County (Ill.), streams in, XXVI, 184, 252; exploration, VIII, 291; seat, XIX, 60, XXVI, 197; chief city, 119; Flag in, 197; *History*, 197, 203.
- Madison County (Mo.), lead mines in, XV, 175; Long, XVII, 38.
- Madison County (N. Y.), Indians in, VIII, 127, XXIV, 183; settlements, 182.
- Madisonville (La.), road, VIII, 63.
- Mädler, Prof. —, meteorological observations, XXIV, 318.
- Madoc (Madog), Prince, American adventurer, XXIII, 366.
- Madrepores, where found, XXVII, 110, 111; observed by Flint, IX, 287.
- Madrid (Mo.), origin of name, X, 329.
- Magagua (Monguagon, Mich.), location, VIII, 212; Evans in, 215; battle of, 212, 213.
- Magee, Augustus, expedition to Texas, XVI, 208.
- Magee, Capt. Matthew J., at Engineer Cantonment, XIV, 230.
- Magots, observed by Maximilian, XXIV, 46.
- Magilhay, —, freebooter, XXVI, 149, 150.
- Magistrates. See Courts.
- Magnesia, where found, XVII, 255; soil composed of, 137; observed by Gregg, XX, 247; as a remedy, XII, 158; sulphate, IX, 282, XIV, 82, XVI, 34, XVII, 144.

Maginnis, —, lecturer, XI, 108.

Magnet, native, XVII, 230; on Cove Creek, 57; exhibited to Indians, XIV, 264.

Magnolia trees, habitat, III, 55, 101, 181, IV, 336, 346; scarcity of, XIII, 149, XXII, 166; blossoms, 54; as lumber, XIX, 64; observed by Faux, XI, 74; by Nuttall, XIII, 306; different species, V, 280; *acuminata*, III, 27, 59, 99, 143, 147, 176, 260, 288, XIII, 40, 42, XIV, 53; blossoms, VIII, 284; *auriculata*, III, 56, 260, 288; *cordata*, 59, 260; *glauca*, 302; *grandiflora*, 302, XIII, 299; *macrophylla*, III, 59, 60, 101, 260, XV, 171; *tripetala*, III, 58-60, 260, 302.

Magpies, habitat, VI, 103, 141, XV, 264, XVII, 147, XXIII, 170, 172, 208, 250, XXVIII, 281; numerous, XXIII, 179, 180, 185, 199, 212, 213, XXIV, 36, 44, 64; at deserted encampments, XXI, 189; stuffed, XXIV, 68; American and European compared, XXIII, 180, 215; *corvus pica*, XV, 277, 322, 327, XVI, 78; *pica hudsonica*, XXIII, 31, 47; feathers as ornament, XXIV, 74.

Magri, Brother Vincent, missionary to Oregon, XXIX, 139, 304.

Maguachake Indians, Shawnee tribe, XXII, 200.

Maguey (*agave americana*), described by Gregg, XX, 165; described by Willard, XVIII, 362; as food, XX, 74; cloaks made of, 40.

Maha Indians. See Omaha.

Mahawha, Mandan village, XXIII, 254.

Mahna-Narra (sulky) Indians, origin of name, XXIII, 254.

Mahogany, wild cherry substituted for, IX, 255; ship-loads of, XI, 41.

Mahsette-Kuinab (le sonnante), Cree medicine man, XXIII, 200, 201.

Mahsick Karehde (flying eagle), physique, XXIII, 43, 255.

Maidlow, Edward, James, and Spencer, settle in Indiana, X, 321, XI, 234, 245, 287; anecdote, 298; purchase corn, 290.

Maillet, Capt. —, town named for, XXVI, 133.

Mails, rapidity of transportation, XVIII, 342; carriers, IV, 211; agents, VIII, 78; coaches, IX, 65; postmasters, XXIV, 135, 182, XXIX, 41; offices, III, 339, IV, 39, 48, 123, 161, 196, 212, 217, 225, 239, 316, 331, X, 153, 227, 351; Western mail, XI, 164; postage, X, 96, XIV, 148, XVII, 15, XIX, 59, 60, XX, 100, 149, XXII, 200, 267, XXIV, 139, 184, 185, XXVI, 78, 278, 354, XXVII, 22, XXX, 201, 303.

Maine, disadvantageous for immigrants, IX, 182; emigrants from, VIII, 57, XXX, 154; avariciousness in, XII, 90; militia returns, X, 356; admitted to statehood, 267, 268; King in, XII, 36; Lyman, XI, 60; Pettygrove, XXX, 166; Tibbits, XXI, 73; Walker, XXVII, 367; *Collections*, 68.

Maisonville, François Rivard, *dit*, sketch, I, 146.

Maize. See Corn.

Maji-Gabowi, in battle with Semple, XXIII, 152.

Makataineshekiakiah (black sparrow-hawk). See Black Hawk.

Makuie-Kinn (the wolf's collar), Siksekai chief, XXIII, 162.

Makuie-Poka (child of the wolf), portrait, XXIII, 143; head dress, 100.

Malacigan. See Buffalo fish.

Malden (Can.), Buttrick in, VIII, 81; Evans, 239; Proctor, 210.

Malheur, on Oregon trail, XXX, 281.

- Malheur County (Oregon), river in, XXX, 101.
- Malicious Chief (Ishcatappa), relations with Long, XV, 206.
- Malin, David, educated by Whitman, XXX, 113.
- Mallery, Col. Garrick, *Indian Sign Language*, XXIV, 300-312; *Gesture Signs and Signals*, XIX, 221; *Picture-Writing of American Indians*, VI, 146, XXIII, 264.
- Mallets, stone, excavated by plough-shares, XXVII, 100; wooden, XXVIII, 163; supply, XIX, 213.
- Mallows, Syrian, as shade trees, XXII, 69.
- Malté-Brun, Conrad, geographer, XXIX, 208; describes Mexico, XVIII, 345; literary style, 348; *Géographie universelle*, 18, 345, 370-379; sketch, 345.
- Malthus, Robert, in *Harmony* (Ind.), X, 61.
- Malnabab Indians. See Multnomah.
- Malvaceæ*, described, XV, 200.
- Mammoths, habitat, XXVII, 103; at salt licks, VIII, 271; fossils, V, 254, VIII, 271, XIV, 143, XIX, 127, XXVI, 106; skeletons, IV, 257, IX, 58; in Indian legends, XIX, 150, XXIX, 379. See also Elephant, and Mastodons.
- Mana Genita, XV, 18.
- Manard (Okla.), site, XVI, 285.
- Manchester (Eng.), S. Bridge in, V, 195.
- Manchester (Ill.), Flagg in, XXVI, 12; sketch, 302.
- Manchester (Ky.), founded by Massie, X, 232.
- Manchester (Ohio), situation, IV, 166; settlement, 160; Cuming in, 167; Ellison, 205; Maximilian, XXII, 154; sketch, IV, 167.
- Manchester (S. C.), Michaux in, III, 102, 104.
- MANDAN (Mandals, Mantannes) Indians: origin of name, XXIII, 254; of tribe, 366; population, V, 114, XXII, 34, XXVII, 166; early history, XXIII, 253-255; migrations, XXIV, 71, 72; decrease, XX, 298; extinction, XXII, 18, 34, XXVII, 150; habitat, V, 148, XV, 141, 223, XVII, 189, XXII, 15, 339, XXIII, 234; climate, 238; physical characteristics, 255-258, 290, 386; physique, XXII, 306, XXIV, 112; stature, 43, 92; color, XXIII, 280, 366; shape of skulls, XXII, 220; grey hair, XV, 41; deformity, XXIII, 257, 258; deaf and dumb, XXIV, 56, 68, 71; mental characteristics, XXIII, 258, 259, 274, 289, 290, 304, 318, 319, 342, 343, 351, 353, 374, XXIV, 47, 67.
- Religion: VI, 126, XXIII, 390; ceremonies, XXII, 18, XXIII, 122; sacrifices and offerings, 269, 302, 323, 324, 326, 329, 340, 375; oracles, XV, 59, XXIII, 339; belief in dreams, 329, 340, 349; in future life, 361, 362; superstitions, 299-318, 329, 335-343, 349, 371, 372, 382, XXIV, 67, 70; sacred emblems, XXIII, 113, 269, 276, 293, 314, 318, 319, 321, 324, 336, 344, 375, 376; medicine men and ceremonies, 269, 321, 323, 339, 340; fasting, 349, 390; penitence, 326, 331-333; medicine feasts, 318, 320, 324, 334, XXIV, 39-43; bands, XXIII, 113, 291-295, 314, 315, XXIV, 40; festivals of, 74, 75, 78, 79; insignia, 41, 48, 52, 62; dances of, XXIII, 113, 291-298, 389, XXIV, 41, 42, 46-49, 52, 62, 68, 75, 77; corn-dance, XXIII, 334-336, 376; Okippe festival, 325-333, 390-393, XXIV, 28; mythology, XIII, 346, XXIII, 300, 391; origin myths, XV, 65, XX, 284, 285, XXIII, 307-316; of whites, 310; deluge myth, 312, 313, 325; serpent myth, 380.
- Language: XXII, 345, XXIII, 254, 362, 385, 394; names, 253, 254; naming children, 280, 281, 395; name for neighboring tribes, V, 163, XXII, 352, XXIII, 367; nickname, XXIV, 72; interpreters, 11, 12; dialect, 207, 208, 220, 221, 234, 235; vocabulary, XXII, 32, XXIV, 73, 234-250,

MANDAN INDIANS: *Language* (continued)—

261; grammar, 250-259; village dialect, 259-261; sign-language, 300, 301; letter in hieroglyphics, XXIII, 285.

Economic life: occupation, XXIII, 270, 272, 278, 289; hunting, VI, 136, 137, XXII, 341, XXIII, 345-348, 350, 383, XXIV, 55, 62, 64, 70; agriculture, XXIII, 241, 274, 276, XXIV, 20, 77; food, XXIII, 346, 347, XXIV, 40, 41, 70; domestic animals, VI, 137, XXIII, 272, 273, 345; villages, sites, XXII, 305, 349, 352, 369, XXIII, 211, 214, 217, 221, 233, 253, 254, XXIV, 320-322; river near, VI, 147, XXVI, 264, XXVII, 187, 226; number of villages, VI, 137, XXIII, 253; described, VI, 141, XXII, 356, 357, XXIII, 266-299; deserted villages, VI, 137, 166, XXII, 339, 341, XXIV, 36, XXVII, 150; winter huts and villages, XXII, 344, XXIII, 225, 234, XXIV, 39, 40; huts described, XXIII, 234, 267, 269-272, 370, 387, XXIV, 37.

Manufactures: XXIII, 278, 279; dyes, 278, XXIV, 19; paintings, XXIII, 263, 264, 271, 287, 288, 322, 354; ceramics, 278, 279, XXVII, 187; cradles, XXIII, 281; sledges, 273; bull-boats, 279; caches, 272, 273; kitchen utensils, 274; pipes and smoking, V, 164, XXII, 364, XXIII, 274, 276, 291, 294, 298, 307, 319, 320, 334, 351, XXIV, 74; drums, XXIII, 292-294, 296-298, 320, 335, 342, XXIV, 41; rattles (*schischikué*), XXIII, 292, 293, 297, 298, 320, 335, 342, XXIV, 74, 75.

Social customs: *dress, etc.*: chiefs, V, 93, 151, VI, 127, XIII, 138; partisans, XXIII, 351; police, 293, 294; crimes and penalties, 282; courtship and marriage, 279, 280; chastity, 282, 283, 295, 334; polygamy, 278; berdashes, 284; domestic relations, 283, 284; treatment of women, VI, 137, XXIII, 281, XXIV, 22, 24, 40, 42; parturition, XXIII, 280; size of families, 280; discipline, 281, 388; adoption customs, 320; dress, VI, 138, XXIII, 262-266, 386, XXIV, 22, 41, 51, 52, 56, 72; buffalo robes, XXIII, 263, 264; painted robes, 369, XXIV, 49; breech-cloth, XXIII, 265; head-dress, 99, 100, 259-261, 294, 295, 297, 369; caps, XXIV, 48; leggings and moccasins, XXIII, 264, 265, 369; snow-shoes, 271, 273; masks, 327-331; fans, 259, 265; ornaments, 258-264, 274, 319, 328, 349, 354, 357, XXIV, 47, 52; painting body, XXIII, 262, 263, 293, 295-297, 314, 315, 320, 325-331, 345, 349, 352, 361; tattooing, 265, 266, 297, 328, XXIV, 49; use of ointment, XXIII, 266; beds, 267; portraits, XXIV, 37, XXV, 24, 46, 47, 50, 53, 56, 57; horsemanship, XXIII, 291; marksmanship, 291; expert swimmers, 290; games, VI, 125, XXIII, 298, 299; self-torture, VI, 126, XXIII, 258, 300, 318, 326, 332, 333, 341, 377, 378; duelling, 290; travelling, VI, 136, 137; calendar, XXIII, 344, 345; temperance, 277, XXIV, 56; war-parties, XXIII, 348-354, XXIV, 81; weapons, XXIII, 119, 285, 297, 346, 354-358; losses, XXIV, 47; treatment of prisoners, XXIII, 351; music, 291-293, 297, 298, XXIV, 62; diseases and remedies, XXIII, 337, 358-360; small-pox, 317, 318, 360, XXVII, 150, XXVIII, 266; suicide, XXIII, 281, 289; burial customs, V, 160, VI, 141, 142, XXII, 354, XXIII, 236, 260, 362; mourning, 261, 362; cemeteries, VI, 76, 141, 142.

Intertribal relations: allies, XXIII, 367; relations with Arikara, V, 114, VI, 141, XXII, 336, XXIII, 224, 225, 394, XXIV, 73, XXIX, 368; Assiniboin, XXII, 392, XXIII, 18, XXIV, 65, 80; Crows, XXII, 353; Minitaree (*Hidatsa*), XV, 58, XXIII, 231, 232, 368, 384, XXIV, 35, 48, 68, 69, 262; Sioux, V, 103, 108, XXII, 343-346, XXIII, 228, 230, XXIV, 21; Yanktonai, 13; Yankton, 54, 61.

Relations with whites: V, 113, 127, VI, 88, XXIII, 269, 289, 290; intermarriage, 281, XXIV, 39; government agents with, XXII, 351, XXIII, 228; fur-traders, VI, 65, XVII, 156, XXIII, 226, 227, 263, 278, 287, 345; trading-posts, VI, 28, 29, 88, 132, XXII, 16, 34, XXIII, 229; mission work, 324, XXVII, 192, 249; Bradbury among, V, 10, 150, 151; Charbonneau, VI, 32, 33, XXIII, 229; De Smet, XXVII, 149; Alexander Henry, XXIII, 353; Andrew Henry, VI, 89; Kipp, XXIII, 225; Lewis and Clark, V, 93, VI, 282, XXI, 99, XXIII, 222; Reuben Lewis, V, 153; Lisa, VI, 113, 120; Maximilian, XXII, 16, 17, 346, 349, 350, XXIII, 223, 251; Sanford, XXII, 235; Thompson, VI,

- 253; Tilton, XXIII, 226; Yellowstone expedition, 227; views and portraits of, 319, XXV, 14, 24, 25, 28, 29.
- Mandan (N. Dak.), county seat, V, 148.
- Mandeek-Suck-Choppenik. See Medicine Bird.
- Mandeh-Pahchu, Mandan chief, portrait, XXV, 24.
- Manfred, quoted, XXVI, 43, 93, 197.
- Manganese, in Pennsylvania, XIII, 36; observed by Nuttall, 280.
- Mangel-wurzel, as fodder, X, 339.
- Mangourit, Michel Ange Bernard de, French consul, III, 53.
- Manhattan (Kans.), Kansa Indians in, XIV, 12.
- Manhattan (N. Y.), location, XII, 78.
- Maniquon, Indian chief, conversations with Townsend, XXI, 337.
- Manila, battle of (1540), XXVII, 44.
- Manini. See Marin.
- Manitoba, boundary, XXIX, 216; William Henry in, VI, 313; missions, XXIX, 231; Historical Society *Transactions*, VI, 380, 382, VII, 11.
- Manitou, Indian deity, II, 137, VI, 131, XXVII, 149; signification of name, XXVI, 73; traditional residence, XXVII, 36; sends dreams, 305; offerings to, II, 80; legends concerning, XXVI, 73.
- Manitou Springs (Colo.), described, XVI, 13.
- Manlius (N. Y.), Evans in, VIII, 125, 126; Maximilian, XXIV, 182.
- Manning, W. R., *Nootka Sound Controversy*, XXVIII, 33.
- Mann's Lick (Ky.), V, 276; A. Michaux in, III, 65.
- Mansco, Kasper, in Tennessee, III, 63, 94.
- Mansco Lick (Tenn.), A. Michaux in, III, 63.
- Mansfield, E. D., editor, XIX, 13, 115.
- Mansfield, Col. Jared, town named for, IX, 307; meteorological observations, 242.
- Mansfield, William M., English lawyer, XII, 44.
- Mansfield (Ohio), Flint in, IX, 298, 307.
- Manson, Donald, on Hudson's Bay barge, XXIX, 284.
- Man-that-does-not-eat-cow's-flesh, entertains De Smet, XXVII, 166.
- Manto-Uitkatt (mad bear), in Fort Union, XXIII, 201, 202.
- MANUFACTURES: report of committee on, V, 272; foreign, IX, 225, 226, XII, 118; domestic, V, 284, 285, XII, 116, 119, XIX, 324; encouraged, IX, 269-271, X, 31, 55, 71, XIII, 45; opportunities for, IX, 275, XII, 293; beginnings, IX, 229, XIX, 12, 26; neglect, XIII, 65, 68; restrictions on, V, 297, IX, 265, 266, X, 341; unrestricted, IX, 204; growth, IV, 11, 186, V, 13, 297, IX, 276, XIX, 42, 101; retarded, IX, 58, 134, 135, 339, X, 73, XII, 165; relation to agriculture, XIX, 82; to emigration, 82; slave-states oppose, XII, 109; compared with British, 109, 118, 119, XIX, 257, XX, 225; value of, VIII, 133; profits, XI, 118, 119, 171, XXII, 141; tariff, XII, 117, XVIII, 353; society for promotion of, IX, 269, 270.
- Indian: IV, 44, 90, VII, 141, VIII, 312, IX, 137, XX, 56, 71, 300, XXII, 224, XXVIII, 134 (see

MANUFACTURES: *Indian* (continued)—

also Indians: Occupations); household, IX, 129, 218, 265, XI, 229, XII, 269; sites adapted for, VIII, 209, 221, IX, 59, XVII, 124, XXVI, 171, XXIX, 178, 246; in Arkansas, XIII, 236, XIX, 64; Indiana, 71; Kentucky, VIII, 275; Oregon, XXIX, 94, 95, XXX, 165, 172, 176, 178, 185, 237, 292, 296.

Factories: V, 297; forges, III, 292, 343, 364; foundries, V, 285, IX, 150, 239, XI, 151, XVII, 234, XIX, 34, 133, XXIV, 158, XXX, 161; furnaces, III, 149, IV, 246, IX, 79, 95, 323, XIII, 28, 40, XV, 176, XVIII, 251, 253, XXVII, 43; mills, III, 327, IV, 29, 51, 95, 117, 235, VIII, 234, XI, 156, 174, 199, XVI, 277-279, XVIII, 11, XIX, 60, XXII, 112, 116, 119, 141, XXIV, 165, XXVI, 113, 260, XXVII, 116, XXVIII, 54, XXIX, 139, 180, XXX, 172, 188, 189, 207; mill-stones, III, 203, IV, 308, IX, 240, XIII, 243, XIX, 77, XXIX, 18, 321; floating mills, IV, 135, VIII, 270, IX, 110, 111, X, 225, XIX, 39; subterranean mills, IX, 282; hand-mills, XIV, 135; horse-mills, IV, 122, 141, X, 250, 271, 342, XI, 199, 230, XIII, 161, XIV, 148, XXI, 298, XXVII, 22; ox-mills, X, 271, 354, XXVII, 104; water-power, IV, 139, X, 313, 354, XIV, 102, 137, XXI, 298, XXVI, 87, XXVII, 81, 93, XXVIII, 313, XXX, 237; wind-mills, XXVI, 269, XXVII, 104; use of coal, VIII, 248; steam power, IV, 338, IX, 85, 149, X, 59, 235, 241, 252, 313, XI, 147, 208, XII, 237, 265, XIX, 36, 40, 41, 71, 77, XXII, 139, 141, XXVI, 202, 269, 278, 301.

Localities: North West Territory, V, 272, 285, VIII, 220; Illinois, III, 70; Kentucky, 90, IV, 178-180, 262, XIX, 37; Lexington (Ky.), III, 202, IV, 185-187, XII, 221; Louisville (Ky.), X, 242, XIX, 40; Louisiana (New Orleans), IV, 368; Mexico, XVIII, 145, 351, XIX, 259, XX, 162, 170; Missouri (St. Louis), XXVI, 164; New Hampshire, VIII, 105, 106, 109, 110; New York, XXIV, 164; Ohio, IV, 226, VIII, 263, X, 72, XIII, 51, XIX, 77, XXIV, 156; Cincinnati (Ohio), VIII, 265, IX, 239, 240, X, 41, XIX, 137; Oregon, XXIX, 18; Pennsylvania, I, 238, III, 162; Pittsburgh (Pa.), 158, 160, 343, IV, 246, 247, VIII, 249, IX, 84-86, X, 37, XIII, 44, 45, 106; Rhode Island, XXII, 52; Tennessee, III, 266.

Products: acids, IX, 86; ammunition, III, 202, IV, 187, V, 247, IX, 58, XII, 68, XIV, 104, XIX, 133, XXVI, 103, 171; bags, XX, 165; barrels, VIII, 280, XIX, 42, XXI, 318, XXX, 204; baskets, III, 334, IV, 286, XIX, 61; blankets, 338, XXVIII, 190, 266; bread, XX, 159; brick, IV, 148, 187, 247, 365, IX, 240, X, 342, XII, 257, XIV, 127, XIX, 88, XXVI, 302, XXX, 159; brooms, X, 302; brushes, IV, 186; buttons, III, 189; candles, XIX, 40, 41; carpets, VIII, 67, XII, 259, XIX, 335, 339; cement, XIV, 74, XXVI, 51; chairs, IV, 186, VIII, 300, IX, 85; cheese, IV, 91, 297, X, 282, 355; chemicals, IX, 85, 135, X, 81; chocolate, XXVII, 36; cigars, IV, 186, XX, 36; clay-pipe, IV, 247; clay-firing, XXVI, 263; cloth and clothing, IV, 186, X, 251, 284, XI, 59, XXX, 237 (see also Cloth and Clothing); corn-meal, III, 169, 199, 292, XIV, 135, XXIV, 186 (see also grist, below); cotton, III, 123, 278, 292, IV, 24, 154, 185, 246, V, 297, IX, 102, 118, 129, 150, 276, X, 69, 79, 235, XI, 54, 232, XIX, 34, 36, XX, 64, 169, XXII, 138, 141, XXIV, 185, XXVIII, 122; down, XI, 298; dyes, III, 260, 267; engraving, IX, 276; fire-arms, III, 135, 336, IV, 31, IX, 66, X, 200, 218, XI, 147, XII, 182; flour, III, 31, 162, 169, 240, IV, 30, VIII, 78, IX, 78, X, 135, 210, 215, 236, XI, 208, XIX, 41, XXVIII, 122, 144, XXIX, 15, 39, 301, 321, XXX, 194, 218, 296 (see also grist, below); furniture, III, 343, IV, 186, IX, 255, XXII, 127, XXIV, 158, XXVIII, 136 (see also Furniture); glass, III, 158, 162, 336, 343, IV, 75, 92, 191, 246, 253, V, 253, IX, 85, 127, X, 37, 79, 235, XI, 174, XII, 217, XIII, 45, XIX, 133, XXI, 37, 38, 59, XXII, 92, 138, XXIV, 184, XXVI, 97; grindstones, IV, 308; grist (mills for), III, 337, IV, 51, 101, 104, 131, 225, 226, 233, 262, 338, V, 313, 315, VI, 395, IX, 85, 95, 100, 102, 110, 118, 129, 132, 149, 150, X, 44, 57, 63, 73, 79, 141, 216, 225, 257, XI, 156, 199, 201, XII, 237, 265, XIII, 142, 161, 169, 288, XVIII, 33, XX, 24, XXI, 298, XXVI, 200, XXVIII, 131, 135, 136, 138, 140, 148, 337, 359, 379, XXIX, 18, 27, 65, 90, XXX, 159, 172, 180, 183, 225, 241; hammocks, IV, 157; hardware, IX, 85; hats, IV, 186, 315, IX, 276, X, 316 (see also Trades: Hatters); implements, farm, IV, 90, IX, 122, 240, XXI, 292; implements, domestic, VII, 280; implements for fishing, IV, 103, VIII, 300; indigo, XI, 228; ink, III, 83; iron, II, 36, III, 54, 58,

264, IX, 58, 79, 95, 150, 239, 276, 305, X, 73, 79, 215, 218, 221, 235, XI, 151, XIII, 38, 40, XVII, 234, XIX, 26, XXII, 138, 153, 158 (see also foundries, above); kaleidoscopes, IX, 44; lamplblack, 86; leather (tanneries), III, 200, 292, 293, IV, 31, 186, 213, 251, V, 315, IX, 118, 150, 240, X, 79, 206, 289, 313, XIV, 127, XXII, 98, 199, XXVI, 200, 358, XXX, 159, 219, 296; liquors (breweries, distilleries, stills), III, 69, 130, 183, 240, 242, 256, 292, 298, 337, 364, IV, 31, 42, 57, 116, 122, 134, 149, 186, 229, 246, 364, V, 316, VI, 221, VIII, 261, 280, 284, 327, IX, 102, 118, 150, 235, 240, 255, 293, X, 53, 57, 79, 80, 141, 271, 313, 342, 354, XI, 113, 115, 118, 119, 171, 172, 252, 290, XII, 283, XIII, 63, XIV, 138, XVIII, 85, 156, 342, 347, 350, 363, 375, XIX, 40, XX, 156, XXI, 45, XXII, 78, 88, 183, 184, 258, XXIV, 155, XXVI, 200, XXVII, 69, 70, XXIX, 100, XXX, 309, 310 (see also Liquors); linen (hemp, flax, etc.), III, 201, 241, 292, IV, 90, 187, V, 315, IX, 85, 95, X, 313; lumber (saw-mills), III, 292, 337, IV, 95, 101, 104, 117, 131, 226, 229, 233, 247, 262, 283, 338, 368, V, 313, 315, VIII, 57, IX, 95, 100, 110, 118, 235, X, 44, 57, 73, 210, 214-216, 257, 272, XI, 156, XII, 237, 265, XIII, 142, 169, 288, XIV, 137, XVII, 126, XVIII, 33, XIX, 36, XX, 24, XXI, 298, XXII, 98, 104, 116, 118, 123, 136, XXIV, 135, 147, 184, 186, XXVI, 200, XXVIII, 131, 135, 136, 138, 140, 148, 259, 379, XXIX, 15, 27, 65, 90, 301, 322, XXX, 159, 172, 180, 183, 195, 199, 225, 241, 296 (see also Timber); machinery, IV, 247, X, 57; maple-sugar, III, 163, 297, VIII, 275, XXII, 183, 184, 199; metals (brass, copper, lead, gold, silver, tin), III, 149, IV, 178, 185, 246, IX, 239, XIII, 150, 151, XVIII, 87, 153, 351, 353, XXI, 37, XXVII, 43; molasses, IV, 152, 327; nails, III, 126, 127, 200, 201, IV, 185, 246, IX, 59, 85, 150, 239, XXII, 138; oils, III, 337, 346, IV, 186, V, 315, IX, 150, X, 57, XIV, 59, XXVI, 199; organs, IV, 348; paints, IX, 85, 86, 150; paper, III, 162, 200, 336, 337, 369, IV, 51, 101, 226, IX, 58, 85, 100, 102, 132, 276, XIX, 34, 133, XXIV, 169; plows, IX, 240; pottery, III, 361, IV, 109, 110, 246, IX, 85, 102, 240, X, 135, XIX, 60, XX, 64, XXVI, 88, 301, XXX, 219; ropes, III, 160, 200, 337, IV, 123, 186, 260, IX, 85, 127, 132, 240, X, 190, 223, XX, 157, 165; saddlery, IV, 152, 185, 246, XX, 165; salt, III, 65, 149, IV, 164, 165, 174, 175, V, 52, 169, 276, 277, VI, 201, VIII, 283, IX, 116, 128, 279, 281, 311, X, 68, 81, 226, 231, 254, 269, XI, 213, XIII, 242, XIV, 58, 82, 99, 150, 151, 162, 163, XV, 174, XVI, 283, 286, XVIII, 308, XIX, 41, 60, 152, XXII, 201, XXIV, 180, 181, XXVI, 69, 97, 281, XXVIII, 126; screws, XII, 295; shingles, XXII, 76, 102, 106; ships (boats, etc.), III, 19, 23, 160, 162, 336-338, 341, 344, 351, IV, 111-113, 131, 193, 246, 247, 251, 260, 262, V, 263, 279, 285, VI, 211, VII, 63, VIII, 250, 256, 268, 269, 276, 279, IX, 86, 94, 276, 322, 327, X, 78, 217, 223, XIV, 76, XIX, 12, 26, 34, 91, 128, XXII, 151; shoes, III, 126, 162, IV, 186, XI, 251, 304, XIX, 42, XX, 165, XXIII, 31; silk, XIII, 142; snuff, IV, 186; soap, X, 81, XVIII, 151, XIX, 40, 41, XX, 159; stone-cutting, III, 201, XXIV, 147; sugar, IV, 151, XIII, 161, 308, XVIII, 151, XIX, 41 (see also maple-sugar, above); tappa, VII, 71; tar, III, 90, IV, 186; tea, XI, 228, 284; thread (spinning-wheels), IV, 90, IX, 240, XX, 165, XXVIII, 122, 127; tin-plate, III, 343; tobacco, IV, 186, 267, XIX, 40 (see also cigars, above); tubs, IV, 90; types, IX, 276; umbrellas, IV, 186; vehicles, III, 79, XIX, 337, 343; vinegar, IV, 152; watches, XXVI, 194; wire, IV, 246, XXII, 123; woolens (carding, fulling-mills, etc.), IV, 186, V, 285, 297, 315, IX, 85, 95, 113, 118, 129, 132, 150, X, 67, 79, 215, 235, 313, XI, 232, XII, 168, 237, 265, XVIII, 144, XIX, 34, 36, 342, XX, 64, XXII, 141, XXX, 141, 218. See also Trades.

Mapimi (N. Mex.), Willard in, XVIII, 346, 347, 359.

Maples (*acer*), habitat, III, 139, 262, XIII, 161, XIV, 85, 90, XVII, 123, XIX, 61, 71, XXII, 109; size, XV, 177, XXII, 143, 166; abundant, XI, 183, XVIII, 375, XXVI, 365, XXIX, 87; as shade trees, XXII, 48; Farnham observes, XXVIII, 63; Faux, XI, 205; Maximilian, XXII, 110, 129, 132, 135, 148, 159, 193, 198, XXIII, 138, 194, 234, XXIV, 172, 178; Nuttall, XIII, 90; different varieties, III, 34, 43, X, 36, XV, 294, XXVIII, 325; ash-leaved (*negundo*), III, 29, 32, 34, 76, IV, 152, XXII, 384, 385; bird's-eye, IV, 152; curled (*dasycarpon*), habitat, VIII, 181, XIII, 139; described, 233, XIV, 62; red (*rubrum*), habitat, III, 29, 32, 34, 62, 66, 76, 83, 84, 98, 176, 181, 302, IV, 152, V, 255, X, 206, XII, 323, XV, 306; soft, VI, 320; sugar (*sacchar-*

MAPLES (continued) —

inum), habitat, III, 29, 32, 34, 43, 62, 75, 76, 176, 229, V, 255, IX, 121, XIII, 104, 161, XIV, 56, 62, XVII, 115; on Alleghanies, III, 288; Carolinas, 297; Michigan, VIII, 221; New York, 181; Ohio, III, 181, IV, 151, 152, XIX, 77; Pennsylvania, III, 163; St. Clair River, VIII, 228; Vermillion River, 193; Flint observes, IX, 302; Maximilian, XXII, 198, 199; Nuttall, XIII, 55; Woods, X, 216, 227, 228, 252; size, XXIV, 124; abundant, VIII, 299, XIV, 160, XVII, 29, 55, 58, XXIV, 147, 169, XXVIII, 155; scarce, XXII, 106; foliage, 239; timber, IX, 256; soil adapted to, XIV, 184; production, XXII, 199; tapped, X, 312; sugar from, 354, XI, 169, XXI, 40; Indians manufacture, XXII, 256; quality, XXIV, 150; prices, V, 288, XXII, 183, 184; water, German name for planes, 93; habitat, IX, 156, X, 232; time of budding, XIX, 75; white, IV, 152, XVII, 115; blossoming, XXII, 196; timber, IX, 256; sugar from, X, 354.

Maps, manufacture of, IX, 59; hydrographical, XXVII, 190; surveyors, XIX, 166; township, IX, 177, 178; land office, 175-177, 180, 185, XXX, 126, 204; used as equipment, VIII, 103, XXVI, 366, 367; present, XXII, 15; engraved, XX, 109; copyrighted, VIII, 96, 98, XIII, 25, XIX, 22; erroneous, V, 239, XVI, 180, 246; nomenclature of, XIII, 146, XVII, 37, XIX, 281, XXI, 50; of Arkansas, XIII, 140; Canada, western (1791), II, 31; Dakota, XXX, 46; Illinois, X, 177, 325, 326, 333, 334; English settlement in, 175; Indian Territory, XX, 304; Kansas (1854), XXX, 255; Louisiana, V, 248; Mexico, northern, XX, 19; Nebraska, XXX, 46, 255; New Caledonia, XXIX, 253; New Mexico, XIX, 241, XX, 152; North America, XIV, 48, 51, XXVII, 36; Ohio, III, 351; Oregon, XXVI, 24, XXX, 114; Sumatra, VIII, 30; Tennessee, III, 255; United States, western, III, 108, V, 20, XIV, 30, XIX, 173, XXV, 82, XXVII, 281; of Allegheny River, III, 331; Arkansas River, XIII, 22; Columbia River, VII, 18; Mississippi River, XIV, 30; Missouri River, V, 37, 110, XIV, 217, XXII, 239; Ohio River, XIX, 30; Yohiogany (Youghiogheny) River, III, 331; Albion (Ill.), X, 177; Cassia County (Idaho), XXX, 92; Hygeia, IX, 116; St. Louis County coal-mines, XXVI, 263; vertical sections of parallels, XVII, 185; bayou on, XVI, 285; highlands on, XIII, 148, XVII, 149, 177, 190; islands, XXII, 264; lakes, XIV, 275, XXVII, 372; meridian, XIX, 217; rivers, VIII, 235, XIII, 209, XIV, 147, 185, XV, 203, XVI, 243, XVII, 80, 176, 179, XX, 212, XXI, 39, XXIII, 222, XXIX, 31; roads, IX, 65, XXX, 77; towns, XIII, 140, XIX, 44, 283, XXVI, 139; Indian, XVI, 79, XX, 109, XXVII, 304, 305; French, III, 108, XIV, 174, 181; Mexican, XX, 164; Alzate's, XVIII, 376; Arrowsmith's, VI, 351, X, 270; Bradbury's, V, 20; Bouchette's, XVII, 176; Darby's, XIII, 147, 155; De Smet's, XXIX, 289; Du Pratz's, XVII, 29; Evans's, I, 106; Finlay's, XIII, 128; Gregg's, XIX, 166, 173, XX, 19, 253, 302; Hutchins's, I, 106, 124, XXI, 39; Jefferson's, IV, 370; Jolliet's, XXVII, 36; Kelley's, XXVI, 24; Lewis and Clark's, XV, 252, XXII, 236, 281, 314, 335, 337, 340, XXIII, 71, 75; Long's, XIV, 19, 41, 222, XV, 250, 251, 274, 297, 305, XVI, 85, 136, 142, 157, 163, 175, 180, XVII, 36, 182, 216, XXII, 242; Maximilian's, XXV, 82; Mellish's, V, 29, XVI, 92, 95; Nuttall's, XIII, 22, 147, 217; Pike's, V, 194, 242, XIII, 264, XIV, 184, XV, 235, XVI, 35, 53, 62, 74, XVII, 100, XX, 251; Preuss's, XXIX, 79; Putnam's, III, 315; Ross's, VII, 18, 214; Simpson's, XVI, 191; Tanner's, XIII, 22, XXII, 147, 148; Thompson's, XXIX, 195; Vancouver's, 76; Woods's, X, 175, 177.

Marais des Cygnes (Kans.), Sauk and Foxes in, XXVIII, 141.

Maramag Indians, habitat, VIII, 234.

Marble, Darling, on Hudson River, XVII, 87.

Marble, IV, 191, 193, VI, 346, XVII, 87; abundant, XVIII, 377, XXX, 64; observed by Flag, XXVI, 171; Palmer, XXX, 63, 64; as building material, XI, 142, XII, 172, 328, XXIV, 189; prices, XII, 172; Carrara, XXVI, 97; Italian, XII, 328, XXVI, 166; red, XIII, 344; pipes of, XXVIII,

- 168; white, VIII, 277, XIX, 94; as building material, IX, 44, 53, XIX, 153, 154; quality, XXVI, 97.
- Marblehead (Mass.), salt fish in, XXI, 51.
- Marbois, —, Jr., in Lexington (Ky.), III, 206.
- Marcellais, —, half-breed hunter, XXIII, 192, 196.
- Marcellus (N. Y.), Evans in, VIII, 126.
- Marchant, —, driver, X, 220.
- Marcy, Capt. Randolph B., exploration on Red River, XVI, 85.
- Margane, François, sieur de Vincennes, in Vincennes, I, 138, 141; relations with Indians, XXIV, 137.
- Margry, Pierre, *Découvertes et Établissements des Français dans l'Amérique septentrionale*, XIII, 117, 118, XV, 130, XVII, 66, XIX, 45.
- "Maria," keel-boat, XXII, 289, 295, 301; shipwrecked, XXIII, 186.
- Mariana, Juan de, sketch, XIX, 258.
- Maricopa Indians. See Coco-Maricopa.
- Marie, —, Pittsburg tavern-keeper, III, 156, IV, 250, 251.
- Marietta (Ohio), location, III, 33, 34, 182, VIII, 264; situation compared with Pittsburg, III, 177; country described, XIII, 55; Indian mounds near, 53, 54, XIX, 84, XXII, 150; plane trees in, XIV, 69; endangered by floods, VIII, 280, 281; great flood, XXII, 150; ship-building, III, 160, 177-179, 351, IV, 279, VIII, 256; boats, III, 252, 351, 354, IV, 296; market, 135, 146; supplies, IX, 109; wages, III, 201; population, 177, IV, 123, X, 223; emigrants, 228; English, 228; Revolutionary soldiers, I, 130; Buttrick, VIII, 53; Clendennin, IV, 141; Cuming, 123, 127; Flint, IX, 175; Harris, III, 22, 351-354, 357, 371; A. Michaux, 17; F. A. Michaux, 173, 175-179, 192; Neisanger, IV, 133; Putnam, 311; White, 156; thermometrical observations, III, 376-379; described, IV, 123-126, IX, 109, 110, X, 39, 40, 223, XIX, 34, 35, XXI, 39, 40, XXII, 149, 150; sketch, III, 177, IX, 100, X, 39, 223; *Gazette*, XXVI, 10.
- Marigolds, cultivated, X, 303.
- Marin, —, expedition in Ohio valley, I, 72, 101, 102.
- Marin (Manini) de Paula, Don Francisco, on Sandwich Islands, VI, 216, 217.
- Marion, —, Ohio farmer, IV, 149.
- Marion, Gen. Francis, in Revolution, XIII, 309.
- Marion (Maryanne, Mo.), sketch, XXIV, 122, 123.
- Marion County (Ill.), prairie in, XXVI, 340; railroad, 120; seat, 361.
- Marion County (Kans.), river in, XIX, 204.
- Marion County (Oregon), rivers, XXX, 178; drainage, 184; Indian village, XXIX, 171; Engle, XXX, 161; Lee, XXI, 299; Powell, XXX, 150; Shaw, 174; Smith, 151.
- Markets. See Commerce.
- Markhead, —, killed by Indians, XXVIII, 237.
- Marl banks, observed by Faux, XII, 114; Farnham, XXVIII, 245; on Bad Lands, XXIV, 90; blue, in Indiana, XI, 246.
- Marlborough (N. H.), Evans in, VIII, 106.
- Marlborough (Vt.), Evans in, VIII, 115.
- Marlow, —, farmer, XI, 147, 148.
- Marmaduke, Meredith Miles, diary, XIX, 181.

Marmose, described by Evans, VIII, 289; Ogden, XIX, 74.

Marmots (prairie dogs: *arctomys* or *cynomys*), habitat, XV, 223, 225, XVII, 146, XIX, 327, XXII, 302, XXIII, 66, XXIX, 51, 214; numerous, V, 119, 121, XXII, 168, XXVII, 334; habits, XV, 248, XXII, 191, XXIV, 77; villages, VI, 102, 103, 106, XVI, 99, 142, XIX, 336, XXIV, 93; rattlesnakes frequent, XV, 279; owls, XVI, 27-29; food of, XV, 278, XX, 278; as food, XV, 226; Indians mimic, 114; hunted, XXII, 299, XXIII, 63, XXIV, 36, 87; bags of skins, 19; observed, XVI, 239, XX, 120, XXI, 102, XXII, 296, XXIII, 62, 136, 137; described, XV, 277, 278, XVI, 158, 159, 223, XX, 118, 119, 121, 277-281, XXII, 292, XXVII, 262, 263, XXVIII, 221, 222, XXX, 50, 51; different species, XXI, 175; Louisiana (*ludoviciana*), discovered, V, 95; habitat, XIX, 327; resemble prairie dogs, XX, 277, 278; described, VI, 103, 339, XV, 221-223, XVIII, 53, 334, 335; Maryland (*monax*), XV, 317; Pennsylvania, XXII, 76; (*richardsonii*), XXI, 346; view of towns, XX, 279.

Marque, Mr. de la, attends Indian feasts, XXIII, 370.

Marquette, Father Jacques, exploring expedition, XXVII, 35; route from Great Lakes to Mississippi, VII, 178; on Mississippi, IX, 186, XIV, 96, 104, XIX, 47, 48; describes Mississippi, XX, 256, 257; discovers Middle West, XIX, 45; among Illinois Indians, XXVII, 36; burial place, 41; sketch, 41; *Journal*, XIV, 96, 97, XIX, 45, XX, 257, 321, 333, XXIII, 284, XXVI, 123, XXVII, 36; map, I, 137.

Marrow, article of trade, V, 87.

Marryat, Capt. Frederick, novels of, XXVI, 32; *Monsieur Violet*, XIX, 165.

Marsalis, —, tavern-keeper, IV, 330.

Marsh, Enoch, plats Beardstown (Ill.), XXVI, 126.

Marsh, Prof. O. C., cited, XXVII, 180.

Marshall, Benjamin, cotton manufacturer, XXIV, 185.

Marshall, John, town named for, XXX, 33.

Marshall, William I., *History vs. the Whitman Saved Oregon Story*, XXI, 353; aid acknowledged, XXX, 18.

Marshall (Mo.), Palmer in, XXX, 33; described by Smith, XIV, 151.

Marshall County (Ill.), in bounty tract, XXVI, 128.

Marshall County (Kans.), rivers in, XIV, 185, XXX, 44.

Marshon, —, farmer, IV, 207-209.

Marsongill Brothers. See Massengill.

Martens, habitat, XXIX, 209, 214; numerous, II, 76, 132, XXII, 135; scarce, 168; trapped, II, 127-130, 156; skins, VI, 368, XXII, 380.

Marthasville (Mo.), La Charette near, V, 43.

Martin, Indian convert, XXVII, 370.

Martin, —, attacks American consul, XX, 26.

Martin, —, in Camden (S. C.), XI, 79.

Martin, —, killed by Indians, XXIII, 134, 140, 163.

Martin, Father —, priest at Tadoussac, II, 194, 195.

Martin, Widow —, in Tennessee, III, 85.

Martin, Horace F., *Castorologia*, II, 77, 132, XXVII, 261.

Martin, John, on "Tonquin," VI, 195; explores Columbia, 230.

- Martin, Luther, Baltimore lawyer, IV, 117, 168, XIV, 64.
- Martin, R. M., *Hudson's Bay Territories*, XXIX, 194.
- Martin, Capt. Wyly, hunting camp, XIV, 179; cantonment, 228; Indians plunder, 188; on Cow Island, 175, XXII, 256; Nodaway Island, 258.
- Martin County (Ind.), seat, XI, 203, XXIV, 139; turnpike, 141; stream in, 141.
- Martinez, Padre, editor, XIX, 332.
- Martinez, Estévan, on Northwest Coast, XXVIII, 32, 33.
- Martinique (W. I.), capture of, I, 103, XXVII, 78; French creoles in, IV, 318.
- Martins, habitat, XXIX, 51; abundant, VI, 109, XXIX, 93; observed by Nuttall, XIII, 229; black, X, 291, 292; purple (*hirundo purpurea*), XV, 320, 326, XVI, 125.
- Martinsburg (Va.), *Potomac Guardian*, IV, 220.
- Martyn, —, geologist, XIII, 41, 226, XIV, 223, 224, 227.
- Martyn, Capt. —, on Cape Ann, XI, 61; commands "Hamilton," 45, 46.
- Martynia proboscidea*, observed by Bradbury, V, 318.
- Martyr, Peter, *Of familiaritie which certeyne Indians have with the devyll*, etc., XX, 293. See also Anghiera.
- Martyr's Reef (Fla.), IV, 371.
- Marwin, Henry Childs, *Aaron Burr*, XI, 160.
- Mary, Flathead Indian convert, XXVII, 370; prophecy of, 329; baptism, 234; death, 326, 327.
- "Mary Avery," in Marietta (Ohio), III, 351.
- Maryanne (Mo.). See Marion.
- Maryland, IX, 214; country described, XII, 284, 288, 290, 291; coal in, XIV, 57; graywacke, XVII, 250; mountains, 248, 250, 252, 253; valleys, XI, 165, XII, 21; drainage, V, 237, 274; compared with Louisiana, IV, 243; Pennsylvania boundary dispute, I, 95, III, 50, 51, X, 213; geographical nomenclature, XXII, 103; disadvantageous for settlers, IX, 182, 183; quality of soil, XI, 126; of farms, 116; agriculture in, 118, 140-142, XII, 22; tobacco, I, 141; population, X, 186; emigrants from, IX, 306, XIX, 62, XXIV, 142; traders in, I, 41; loan to Canal Company, XXII, 112, XXVI, 49; militia, VIII, 171, X, 356; missionaries, XXVI, 169; slavery, XI, 123, XII, 289; thievery, XI, 125; poor whites, 127; value of shilling, 187, 188; De Smet in, XXVI, 15; Faux, XI, 145, 146; A. Michaux, III, 50; Welby, XII, 270, 284; Woods, X, 207; early settlers and travellers, I, 91, III, 55, 61, 162, 360, IV, 93, 101, 118, 253, 324, 332, 359, XI, 148, XIV, 64, XV, 140, XVI, 186, XIX, 185, XXII, 278, XXIII, 228; Historical Society, XX, 38.
- Mascal (Maguey), Indian whiskey, XVIII, 107; made of plantain, 146; abundant, 220, 225.
- Maschkepton. See Broken Arm.
- Mascoutin (Fire-Indians, Masquiton) Indians, Illinois tribe, XIII, 122, XXVII, 35; habitat, I, 139, 144-146, XXII, 177, 178; treaty with English, I, 154; hostile to English, 314; sketch, 139.
- Mash-que-tai-paw (Red-head), Sauk chief, XXIV, 316.
- Maskenoujey, a fish, II, 197.
- Masléistamik (bull-crow), Blackfoot chief, XXIX, 364.
- Mason, —, on Arkansas River, XIII, 135-137.
- Mason, —, bandit, IV, 268, XXVI, 74.
- Mason, Capt. —, in New Orleans, IV, 366.

- Mason, E. G., *Chapters from Illinois History*, I, 117, 173, III, 69, 71; *Kaskaskia*, XXVII, 29, 64.
- Mason, James, names Grafton (Ill.), XXVI, 121.
- Mason, Paris, in Grafton (Ill.), XXVI, 121; railroad charter granted to, 297.
- Mason, Col. Richard Barnes, sketch, XX, 107.
- Mason, Sarah, in Grafton (Ill.), XXVI, 121.
- Mason and Dixon's line, III, 51.
- Mason and Slidell, Confederate envoys, on "Trent," XXIX, 72.
- Mason County (Ill.), seat, XXVI, 129.
- Mason County (Ky.), "Pomeroy Bend" in, XIII, 56; seat, III, 196, IX, 128, XIV, 64; population, IV, 172.
- Mason County (Va.), population, IV, 142.
- Masonry (Free), antipathy to by Mexicans, XX, 192; lodges, IV, 183, 192, 239.
- Masons. See Trades.
- Massa Fuego, "Beaver" in, VI, 274.
- Massachusetts (Bay State), XIX, 22; country described, XXII, 50, 51; limestone in, XIV, 55; quality of soil, XXI, 26; watered by Connecticut River, VIII, 110; social conditions, IX, 291; lack of employment, XI, 55; prices, III, 201, XI, 64; restricts slavery, IX, 144; no slaves in, XIX, 99; emigrants from, XXVI, 132; militia returns, X, 356; shares in canal company, XXVI, 49; land agents, IV, 237; speculators, XXI, 36; land sales and grants, VIII, 42, 104-106; physicians in, XX, 25; Atwater, XXIV, 150; Browning, IV, 127; Buttrick, VIII, 10, 21, 48, 56; Co-burn, IX, 294; Crowinshield, XV, 165; Eells, XXVII, 367; Farnham, VII, 186; Fisk, III, 253; Gray, XI, 47, 58; Hutchinson, IV, 229; Mumford, VI, 195; Putnam, III, 311; Rice, XII, 53; Russell, XIII, 198; Sibley, V, 66; Swift, XIV, 41; Wyeth, XXI, 60, XXVIII, 10; Harvard College established, XXI, 25; Agricultural Society, VIII, 145; American Antiquarian, IX, 281; Historical, III, 21, 22; Humane, 21; Institute for Blind, XXVIII, 14; *Historical Collections*, I, 45, 100-102, II, 29.
- Massengill (Marsonigill) Brothers, in Arkansas, XIII, 169.
- Massey, —, on Loutre Creek, XV, 174.
- Massiac, Marquis de, minister of marine, III, 73.
- Massica (tortoise), Sauk Indian, described by Maximilian, XXII, 223; watchfulness of, 227; on "Warrior," 228; portrait, XXV, 36.
- Massie, Henry, IV, 205, 215; plats Portsmouth (Ohio), XIII, 59.
- Massie, Gen. Nathaniel, surveyor, IV, 215; founds Bainbridge (Ohio), 212, XII, 16; Chillicothe, III, 186, IV, 160; Manchester, XXII, 155; sketch, IV, 160, X, 232.
- Massie's Station (Ky.), population, X, 232.
- Massillon, —, town named for, XXIV, 157.
- Massillon (Ohio), sketch, XXIV, 156, 157.
- Masson, L. R., *Bourgeois de la Compagnie du Nord-Ouest*, II, 10, 71, 81, 85, 87, 90, 98, 123, 145, 173, III, 356, 375, 394, VI, 299, 301, XXIX, 43.
- Mastodon (masto donté), V, 254; in Indian legend, XXVI, 123, XXIX, 379; fossils, XXII, 276, XXVII, 115. See also Elephant, and Mammoths.
- Mastoenna (chief of the ravens), kills whites, XXIII, 145.
- Matamoras (Mex.), location, XVIII, 331; distance from New Mexico, 342; trading-post, XX, 87;

- commercial centre, 224; captives from, 129; Willard in, XVIII, 18, 346; described, 363; sketch, 363.
- Matchee Manitou, bad spirit, II, 152.
- Matchekewis, adopts Long, II, 82-86.
- Matchem, —, in Washington, XI, 115.
- Mathematical instruments, lost, VII, 240; ruined, XXIII, 171.
- Matheny, Daniel, sketch, XXX, 174.
- Matheny's Ferry (Oregon), mission near, XXX, 181.
- Mather, —, plats Chester (Ill.), XXVII, 23.
- Mathers, Thomas, commissioned by Congress, XIX, 197.
- Mato-Berocka (male bear), in Fort Clark, XXIV, 15.
- Mato-Chiha, Blackfoot chief, XXIII, 256.
- Mato-Mihte, Mandan village, XXIII, 253.
- Mato-Numangkake (men of the bear) Indians, origin of name, XXIII, 253.
- Mato-Topé. See Four Bears.
- Ma-too-ton-ka, Mandan village, XXII, 344.
- Matsokui. See Beautiful Hair.
- Mattagwessawack Indians, II, 55; religion among, 176, 177.
- Matthews, Ellen, Washington pioneer, VI, 261.
- Matthews, Washington, *Hidatsa*, XV, 66, XXII, 350, XXIII, 256, 278, 280, 282, 283, 289, 345, 348, 361, 365, 367, 372, 376; *Navaho Weavers*, XX, 65.
- Matthews, William on, "Tonquin," VI, 194; searches for deserters, 261; explores Mad River, 273; with Stuart, 277; sketch, 261.
- Matthieu, F. X., describes Grant, XXX, 86; in Butteville (Oregon), 179.
- Mattocks, as equipment, XIX, 207.
- Mattoyash, Indian chief, II, 148.
- Maturin, Charles Robert, sketch, XIV, 121.
- Mauch Chunk (Pa.), coal in, XXII, 78; saw-mills, 123; railroad, 89, 118-122, XXV, 5; Maximilian, XXII, 116, 118; White, 123; described, 119-123; view of, XXV, 5.
- Mauhooskan (white cloud), Iowa chief, XXIV, 316.
- Maumee City (Ohio), opposite Fort Meigs, VIII, 204.
- Maury, Anna, *Memoirs of a Huguenot Family*, XXVI, 217.
- Maxatawny (Pa.), Germans in, XXII, 129.
- Maximilian, Alexander Philip, Prince of Wied-Neuwied, sketch, XXII, 9-19; in Boston, 40-50; New York, 54-60; Philadelphia, 62-65; Pennsylvania excursions, 74-123; addresses Germans, 129; in Pittsburg, 138-143, XXIV, 191; on Ohio, XXII, 147-162, 200-204; in New Harmony, 162-197, XXIV, 132, 133; excursion to Wabash, XXII, 187-192; to Vincennes, XXIV, 136-139; on the Mississippi, XXII, 204-217; at St. Louis, 215-237, XXIV, 124-130; on the "Yellowstone," XXII, 237-328; "Assiniboin," 328-374, XXIV, 98; at Fort Clark, XXII, 344-356, XXIII, 221-251, XXIV, 11-83, XXIX, 367; at Fort Union, XXII, 373-387, XXIII, 11, 168, 187-207, XXIV, 71; on keel-boat "Flora," XXIII, 24-89; at Fort McKenzie, 89-167; down the Missouri, 169-187, 207-221, XXIV, 83-124; on Ohio canal, 146-158; Erie, 177-188; at Niagara, 165-173; re-

MAXIMILIAN (continued)—

turn to Germany, 192-195; companions, XXII, 11, 12, XXIV, 88, 92, 93; boatmen, 84, 85; hunters, XXII, 100-102, 106, 162; meets Mormons, XXIV, 119, 120; Campbell, XXIII, 198; Dougherty, 218; Hamilton, 205, 206; McKenzie, XXII, 235, XXIV, 49; Robidoux, XXII, 257; Say, XXIII, 245; first sight of buffalo, XXII, 15; hunting, 76, 104, 105, 127, 135, XXIII, 192-196, 212, XXIV, 86; supplies and equipment, XXII, 90, 113, XXIII, 62, 160, 167, 168, XXIV, 13, 16, 36, 39, 43, 50, 58, 65, 69, 81, 82, 86, 89, 92, 96, 107, 108, 113, 117, 121, 122; baggage, 138, 163; boat built for, XXIII, 165; accommodations, 24, 125, XXIV, 12, 13, 18, 56; hardships, 23, 24, 27, 32, 53-58, 71, 76; annoyances, XXII, 160, XXIV, 99, 100; accidents, XXIII, 27, XXIV, 94, 96, 117; losses, XXII, 17, 247, 383, XXIII, 171, 179, 180, 212, 219, 242, XXIV, 57; disappointment, XXIII, 164; illness XXII, 17, 185, 186, XXIV, 18, 75, 76, 81, 82, 91, 92, 95; keeps guard, XXIII, 171, 172, 174, 215; excursions, XXII, 235, 300, 301, 328, 331, XXIII, 12, 24, 31, 34, 38, 39, 51, 52, 54, 56, 58, 62, 63, 137, 138, 164, 198, XXIV, 14, 94, 99, 101, 102, 107, 108, 113, 121, 131, 139; lost, XXIII, 36; visits Indian mounds, XXIV, 127; sees prairie-fire, XXII, 289, 290; double rainbow, XXIV, 61; encounters storms, XXII, 128, 130, 150, 172, 249, 255, 261, 262, 276, 279, 295, 300, 340, 344, 364, 386, XXIII, 18, 31, 32, 35, 41, 45, 53, 55, 58, 66, 72, 86, 169, 170, 185, 186, XXIV, 45, 78, 84-87, 92, 93, 95, 113, 116, 145, 195; observes aurora, 174, 180, 183, 184; fossils, XXIII, 243; beaver's den, 41; petrified tree, 219; desires big-horn, 143; purchases bear, XXIV, 124; pets, XXII, 16, 82, XXIII, 55, 125, 167-169, 180, 208-210, XXIV, 19, 84, 88, 90, 119, 122; collections, XXII, 10, 11, 14, 17, 18, 83, 84, 97, 99-102, 111, 122, 143, 173, 186, 191, 192, 194, 197, 240, 242, 254, 263, 295, 299, 312, 327, 330, 331, 340, 367, 383, 385, XXIII, 21, 24, 28, 39, 45, 57, 58, 60, 62-65, 67, 69, 79, 102, 103, 143, 149, 165, 167, 170, 171, 178-181, 184, 189, 197, 203, 207, 212, 219, 242, 275, XXIV, 14, 36, 81, 84, 86, 88, 97, 102, 106, 107, 113, 115, 121, 124, 163, 192; herbarium, XXIII, 58, 171; bird-catalogue, XXII, 19, XXIV, 320-322, 345, 346; meteorological observations, XXII, 19, 38, 41, 69, 80, 122, 153, 158, 160, 169, 171, 172, 191, 195, 196, 200, 205, 210, 238, 241, 243, 247, 249, 252, 253, 256, 260, 268, 272, 279, 280, 282, 289, 291, 295, 298, 311, 328-331, 356, 358, 366, 386, XXIII, 31, 38, 41, 57, 65, 77, 151, 192, 197, 205, 208, 239, 240, XXIV, 31, 44-46, 48, 50, 53-58, 61, 63, 64, 70, 71, 73, 77-79, 81, 85, 87, 94, 105, 113, 121-123, 318, 319; presents to, XXII, 285, 311, XXIII, 197, 207, 242, XXIV, 106; among Assiniboin, XXIII, 16; relations with Blackfeet, 132, 133, 136, 144, 145; Crows, XXII, 351; Grosventres, XXIII, 72-75; Mandan, XXII, 350, 351, XXIV, 39-43, 48, 49; Minitaree, VI, 33, XXII, 357, XXIV, 20; Seneca, 163; Sioux, 90; visited by Indians, XXIII, 216-221, XXIV, 113; entertained, XXIII, 136, 220, XXIV, 89; attends feasts and dances, XXIII, 123-125, 334, XXIV, 27-34, 39, 43, 48, 49, 62; observes funeral, XXIII, 140, 141; kills Indian, 149; purchases Indian implements, XXII, 325, XXIII, 21, XXIV, 81; desires skull, XXIII, 149; describes Indians, 223, 291, 378; linguist, 365, XXIV, 73, 79, 199-316; letters of introduction, XXII, 14, 64, 139, 157, XXIV, 189; letters of, XXII, 328, XXIV, 12, 72, 125; endorses Catlin, XXIII, 324; notes forests, 42; maps, XXII, 15, 154, 236; geographical errors, XXIII, 33; writings, XXII, 11, XXIII, 20; *Travels in North America*, XXII, XXIII, XXIV; editions, XXIII, 11, 63, XXIV, 11; translations, XXII, 31-33, 36; cited, XXI, 147, XXVI, 64, 67, 68, 77, 80, 103, 104, 106, 115, 166, 177, 264, XXVII, 93, 148-150, 183, 187, 188, 226, XXVIII, 144, 156, 266, 287, XXIX, 218, 346, 357, 366; plates accompanying, XXV; present successor to title, XXII, 236.

Maximilian, emperor of Mexico, XVIII, 363.

Maxwell, Dr. —, in Columbia (S. C.), XI, 75.

Maxwell, William, ship carpenter, XII, 310.

May, —, beaver hunter, XXII, 300.

- May, —, in Lancaster County (S. C.), III, 54.
- May, —, in St. Louis, IV, 166.
- May, John, in May's Lick (Ky.), III, 198.
- May-apples (*podophyllum*), habitat, III, 29, 56, 59, 97, XXIV, 169; abundant, XXII, 250, XXIV, 147; described by Woods, X, 308.
- "May Dacre," cargo, XXI, 335; in Boston, 335; on Northwest Coast, 15, 299, 300, 305, 306, 315, 317.
- May-weed (*anthesis cotula*), abundant, XIV, 75.
- Mayer, Brantz, *Mexico*, XX, 38, 224; *Logan and Cresap*, XIV, 64.
- Mayhew, —, describes London costermongers, VI, 332.
- Maynardier, Capt. —, at Okippe, XXIII, 325.
- May's Lick (Ky.), location, III, 37; salt mine, 196, 197; stage road, IV, 173; described, IX, 128; sketch, 127; population, IV, 173.
- Maysville (Limestone, Ky.), IV, 171, X, 233; location, III, 164, 195, IV, 167, 168, IX, 113, 148, XXVI, 215; distance from Greenup, X, 229; from Manchester, 232; first settlement, IV, 177; emigrant rendezvous, IX, 250; commercial port, III, 195, 202; shipping port, 35, 251, IV, 168, 169; transportation rates, IX, 131; roads, III, 195, IV, 169, IX, 127, XII, 205; railways, IX, 250; post-station, XXVI, 247; Christmas celebration, IX, 147; Colter in, V, 44; Cuming, IV, 7, 8, 168, 199-202, 205, 255; Faux, XI, 13, 185, 186; Flint, IX, 113, 119, 126, 128, 147; Ellis, IV, 202; Greenup, 194; Long, XIV, 64; McArthur, IV, 215; McKenzie, V, 37; Maximilian, XXII, 154; A. Michaux, III, 17; F. A. Michaux, 187, 188, 200, 214; Musgrave, 233; Nuttall, XIII, 59, 60; Welby, XI, 16, 212, XII, 270, 274, 275; Woods, X, 238; described, III, 195, IV, 169, VIII, 280, IX, 127, X, 68, 232, XI, 186, XII, 214, 217; sketch, III, 35; views, XII, 209, 215.
- "Maysville," Ohio River boat, XIV, 72.
- Mazatlan (Mex.), port, XX, 224.
- Mazuela, Juan de, Spanish explorer, XXVIII, 30.
- Mdewakantonwan Indians, Sioux band, habitat, XXII, 279.
- Meacham, Joseph, founds Upper Alton, XXVI, 203.
- Meacher, Edward, letter by, XII, 133, 134.
- Mead, David, sketch, III, 340.
- Meade County (Ky.), seat, XXII, 160.
- Meadville (Pa.), situation, III, 163, 340, VIII, 246; population, III, 40, 163; Holmes in, IV, 283; sketch, III, 340, VIII, 246.
- Meagher County (Mont.), river in, XXIX, 345.
- Meal, article of trade, X, 192; supply, XXX, 112.
- Meany, Prof. Edmond S., aid acknowledged, XXX, 18.
- Meares, Capt. John, explores Northwest Coast, VI, 233; cape named by, XXX, 193; mount, XXIX, 34; *Voyages*, VII, 112; sketch, VI, 233, VII, 112.
- Mears, —, hunter, V, 53, 54.
- Mease, Dr. John, in Philadelphia, IX, 53; sketch, 54; *Picture of Philadelphia*, 54, 55; *Geological Account of United States*, IV, 151.
- Measures, tape, XVII, 99; weights, VIII, 31; arpent, XIII, 313; fanega, XIX, 289; league, 290; vara, 290.

Meat, IV, 321; quality of, XXIV, 58; abundant, XI, 112, 177, XXIV, 35; scarce, X, 252, XI, 293, XVIII, 361, XIX, 239, XXIV, 43, 45, 48, 50, 63, 65; stolen, XXX, 209; as food, VIII, 67, X, 337, XIV, 286, XIX, 318, XXIV, 50, 71, 192, XXVIII, 236, XXX, 57, 60; present, XIV, 274, 285, XXIII, 371, XXIV, 77; supply, 69; article of trade, X, 133, 192, XIII, 254, XVIII, 349, XXIII, 73, XXIV, 53, 70, 113, XXX, 238; prices, X, 236, XI, 119, XII, 63; tax on, XX, 149; method of keeping, X, 274; how dried, XXIV, 120, XXVIII, 85; dried as supply, VII, 280, XXIV, 56, 75, XXVII, 247; present, XVIII, 86; food, XXIII, 24, 93, 167, 379, XXIV, 36, XXVII, 363; as sacrifice, XV, 66, XVIII, 166, XXIII, 335; Indians personate, 330; fresh, as a remedy, XIV, 283; goat's, XIX, 325; jerked, V, 76, 81, 83, 164, VI, 372, XV, 234, 247, 250, XIX, 328; how prepared, VIII, 64, XVI, 64, 111, 113, 225, 257, XIX, 240, 241; used, V, 152, 154, 230, XVI, 207, 224, 250, 259, 269, XVIII, 205; article of trade, V, 87, 97, XIII, 256, XV, 122, XVI, 200, 270, XIX, 339; present, XIV, 281, XV, 163; Indian lodges covered with, 128. See also the several animals.

Meatwho. See Battlelemulemauch.

Mechanics. See Trades.

Mechanicsburg (Ill.), sketch, XXVI, 321.

Mechanicsburg (Ohio), described by Woods, X, 233, 234.

Mecklenburg (N. C.), convention in, III, 55, 101.

Mecos Indians, incursions of, XVIII, 373.

Medicine Bird (Mandeek-Suck-Choppenik), entertains Maximilian, XXIV, 39, 43.

Medina County (Ohio), Black River in, VIII, 192.

"Mediterranean," steamboat, XXIV, 132.

Medusæ, abundant, XXII, 41.

Meek, F. B., visits Bad Lands, XXIV, 90, 91.

Meek, Helen Mar, Whitman educates, XXX, 113.

Meek, Joseph L., Oregon pioneer, XXX, 40; on Tualatin Plains, 168; experience with bear, XXVIII, 290-292; Newell accompanies, XXX, 179; meets Farnham, XXVIII, 291; secures historic wagon, 323; daughter, XXX, 113; sketch, XXVIII, 290.

Meek, Stephen Hall, Oregon guide, XXX, 13, 14, 39, 40, 42, 101; leaves Palmer, 121; route followed, 121-126, 301; sketch, 40.

Meeker, —, tavern-keeper, IV, 215.

Meeker, Rev. Jotham, prints Shawnee books, XXVIII, 137.

Meerwein, —, tavern-keeper, XXII, 99.

Megary, —, sketches, XXIV, 173.

Meginness, John F., *Otinachson: History of West Branch Valley*, I, 190.

Mehah-hun-jee (second daughter), Oto chief, XXIV, 316.

Mehkskêhmé-Sukahs (Mexkehme-Sukahs, iron shirt), gives feast, XXIII, 123; dress, 88, 126; jealousy, 127; portrait, 131.

Meier, —, in New York, XXII, 58.

Meigs, Josiah, land commissioner, X, 344.

Meigs County (Ohio), creek in, XXII, 151; Pomeroy Bend, XIII, 56.

Melanthium monoicum, habitat, XXIX, 424.

Melcher & Rogers, publishers, XIX, 21.

- Melish (Mellish), John, geographer, V, 238, 240, IX, 59, XI, 170; statement of prices, V, 288, 289; letters by and to, IX, 274, XI, 275; *Map*, V, 29, IX, 65, XVI, 92, 95; *Travels*, X, 58, 72; *Traveller's Directory*, IX, 65; sketch, V, 238.
- Melone, —, oarsman, XXIV, 84; obstinacy of, 96; intoxicated, 99; deserts Maximilian, 99, 100.
- Melonis, XIV, 227, 228.
- Melons, raised at Green Bay, II, 187; cultivated, V, 90, XVI, 190, XXVIII, 139, XXIX, 98; plentiful, IX, 60, 255, X, 248; quality, XXI, 298; prices, X, 108, 222, 236, 237, XIX, 136; as food, X, 223; musk-cultivated, V, 260, 284, VI, 221, XXVIII, 334; as food, XIV, 191; described, X, 307; nutmeg, 307, XXVIII, 334; sweet, X, 192; water-, cultivated, V, 260, 284, VI, 221, X, 204, XV, 128; article of trade, X, 192; as present, 205; described, 307, 308.
- Membré, Father Zénobe, opinion of Quapaw, XIII, 120.
- Memphis (Tenn.), founded, IV, 293; formerly Fort Assumption, 292; Overton in, III, 98; Willard, XVIII, 329.
- Menager, Claudius R., tavern-keeper, IV, 147, 148.
- Ménard, Hipolyte, in Kaskaskia (Ill.), XXVI, 165.
- Ménard, Jean François, in Kaskaskia (Ill.), XXVI, 165.
- Ménard, Michel, sketch, XXVI, 165.
- Ménard, Pierre, in St. Louis, XXVI, 165; residence, XXVII, 26; academy named for, 64.
- Mende-Wakan-Toann Indians, habitat, XXII, 305.
- Mendoza, Hurtado de, on Northwest Coast, XXVIII, 30.
- Mengarini, Father Gregory, missionary to Oregon, XXIX, 142; among Flatheads, 133, 300, 410, 411; with De Smet, XXVII, 193, XXIX, 168; parting with De Smet, 177; in St. Mary's, XXVII, 309, XXIX, 409; Indians baptized by, XXVII, 382; catechism translated by, 318; letter to archbishop, 382-385; accident to, 273; indisposed, 313; sugar made by, XXIX, 325; sketch, XXVII, 193.
- Menier, Henri, on Anticosti, XXVII, 36.
- Menispermum, canadense* (sarsaparilla), III, 29; described, XIV, 156; abundant, XVI, 189; *lyoni*, XIV, 156, XVI, 185.
- Meniss-Ochata (dog band) Indians, badge, XXIII, 261.
- Mennonites, in Germantown (Pa.), XII, 206.
- Menominee Indians, habitat, II, 183, VIII, 232; custom, II, 183; treaty with Oneida, XXIV, 183.
- Menowa Kontong Indians, habitat, XXVIII, 153.
- Mentelle, —, farmer, III, 206.
- Mentzelia*, observed by James, XV, 294; decumbent, XVI, 85.
- Mercer, Col. Hugh, in Loyalhanna, I, 251.
- Mercer County (Ill.), in bounty tract, XXVI, 128.
- Mercer County (Ky.), Salt River in, X, 245; seat, III, 211; Adair in, 212.
- Mercer County (N. Dak.), Knife River in, XV, 59; Stanton, V, 163.
- Mercersburg (Pa.), location, XII, 21.
- Merchant, —, transportation agent, X, 196.
- Merchants, foreign, IX, 241; compared with American, XXII, 42, XXVI, 10, XXIX, 61; Jews, XXII, 117; Germans, 138, 157; Mormons, XXVI, 358; country, XXII, 98; characteristics, XI, 236, XII, 269, XIX, 160, XXI, 32, XXII, 156, XXX, 217, 218; methods, IX, 59, 226, XIX,

MERCHANTS (continued)—

134; assessments, XIII, 314; prosperity, III, 203, X, 66, XI, 160, 161; losses, XII, 66, XXVI, 13, 76; social status, IV, 62, XI, 190; retired, 56; travelling, IX, 56, XIII, 314, XX, 104, XXII, 156; signs, XII, 313, XXII, 153; merchandise, II, 75, III, 192, 194, IV, 351, XIII, 155, XV, 16, 24, 95, 160, 163, XIX, 220, XX, 185, XXX, 263; prices, XIX, 177, XX, 222, XXX, 218; stolen, VII, 255; taxes on, XX, 149; shops, character, X, 212, XIX, 256, XXII, 157; rent of, XII, 164; taxes on, XX, 27; on Santa Fé trail, XIX, 166, 190; at military posts, I, 227, XIII, 106, 293, 307, XXII, 304, 317, 377; in Arkansas (merchants and stores), XIII, 106, 109; California, XVIII, 236; Canada, VI, 395, VII, 138, VIII, 239; District of Columbia, XI, 113, 120, 122, XII, 62; Illinois, X, 133, 153, 254, 271, 272, XI, 252, 266, 270, XII, 259, XIX, 174, XXII, 200, XXVI, 300, 306, 330, 354, XXVII, 22; Indiana, V, 315, IX, 164, X, 46, XI, 246, 288, XII, 262, XXIV, 135, 137; Kentucky, III, 198, 203, 251, 252, IV, 127, 267, 275, IX, 113, 132, XIX, 132, XXII, 203; Louisiana, III, 89, IV, 310, 341, 362, 369, XI, 165, XIX, 122, XXVI, 149; Maryland, X, 190, XXI, 34; Massachusetts, VI, 287, VII, 162, 235, 251, VIII, 21, XI, 54, 56, XIX, 11, XXII, 42, 46; Mexico, XVIII, 178, 291, 350, 361-363, XIX, 254, 256, 284, XX, 27, 28, 32, 172, 185, 186, 223, 225; Mississippi, IV, 316, 319, 320, 331, 349, VIII, 319, XIII, 298, XVI, 208, XIX, 131; Missouri, IV, 283, V, 42, 201, VI, 403, XIV, 108, 127, 140, 148, XIX, 186, XX, 94, XXI, 44, 121, 134, 135, XXII, 216, XXIV, 126, XXVI, 165; New Mexico, XIX, 304; New York, VI, 188, VII, 34, XII, 165, 166, XIX, 152, XXII, 57, XXIV, 161, 180, 184; North Carolina, III, 290, 291; Ohio, IV, 217, 222, 229, 232, VIII, 84, IX, 102, 113, 118, 150, 238, 239, X, 39, 227, 230, 234, 236, XIX, 177, XXIV, 158, 159; Oregon, XXIX, 180, XXX, 51, 159, 161, 179, 218, 223, 296; Pennsylvania, I, 290, III, 50, 139, 147, 159, 172, 340, 342, 343, 364, 367, IV, 239, 245, 247, IX, 87, X, 217, XI, 120, 160, 161, XIII, 44, XXII, 63, 85, 111; South Carolina, III, 294, XI, 73, 90, 97, 100, 102; Tennessee, III, 98, 251, 266, 270, XIII, 88; West Virginia, III, 172, XIII, 51; on Mississippi River, 91; Ohio, IV, 116; Wolf, 292; stores and warehouses, III, 139, VIII, 79, 84, 217, 239, IX, 103, XX, 27, XXII, 216, 246, 247, XXVI, 80, 118, 151, 181, 202, XXVII, 120, XXX, 179, 180. See also Commerce, Economic Conditions, Fur Trade, Money, and Transportation.

Mercury. See Quicksilver.

"Mercury," Capt. Ayres on, VI, 257.

"Mercury," Quebec packet, II, 195.

Merganser, hooded (*mergus cucullatus*) and red-breasted (*serrator*), XV, 324.

Meriwether, Gen. David, in Georgia, IV, 121.

Merrick County (Nebr.), Grand Island in, XV, 224.

Merrill, Maj. W. E., makes map, XIX, 30.

Merrit, —, physician, IV, 146, 156, 157.

Mervine, Capt. William, in Mexican War, XVIII, 277.

Merwin, Henry C., *Aaron Burr*, XII, 98.

Mesakkummikokwi, in Indian legend, XXIX, 378, 379.

Mesas, observed by Gregg, XX, 132, 133, 239, 240; Mexican plateaus, XVIII, 378.

Mescallero (Mezcalero) Indians, origin of name, XX, 74; relations with Pattie, XVIII, 160, 164; sketch, 164, XX, 75.

Mespilus canadensis, on Missouri River, V, 47.

Mesquite tree (*prosopis glandulosa*), described, XVI, 217, XVIII, 94, XIX, 297; habitat, XVIII,

- 340, 362, XX, 156, 248, 250; abundant, XVIII, 121, 201; beans as food, XX, 66; harvested, XXVIII, 260; sketch, XVIII, 94.
- Mestizo, Pani-maha chief, XIV, 241, 243.
- Metaharta, Minitaree village, VI, 32, XXIII, 254.
- "Metamore," sketch, XXIV, 130.
- Metcalf, Capt. —, commands "Eleanor," VI, 214.
- Meteor, igneous (jack-o'-lantern), described, XIV, 284.
- Meteorology, in Middle West, VIII, 266, X, 122, XI, 10, 109, 285, 304, 305, XII, 197; *Philosophy of Storms*, XX, 117.
- Metheglen, as a beverage, XXI, 203.
- Methodists, bigotry of, XI, 115; liberality, X, 319; numerous, 216; camp meetings, IX, 257, X, 216, XII, 207, 208; conferences, XXVII, 197, XXX, 183; burial service, X, 319; itinerant preachers, IX, 196, XV, 175, 176; direct St. Charles College, XXVI, 279; in Georgetown (D. C.), XI, 119; Illinois, X, 256, 318, XXVI, 252, 253, 255; Kentucky, III, 249, IV, 183, IX, 132; Maryland, X, 193; New York, IX, 156; Ohio, IV, 216, IX, 156; Pennsylvania, IV, 48, 85, 239, 255, IX, 55; South Carolina, XI, 77; West Virginia, IV, 151, XII, 204; missionaries, XXI, 228, XXIX, 221; zeal of, 21, 22; among Indians, XXVII, 390; Kansa, XXVIII, 140; Shawnee, XX, 288, XXVII, 194, XXVIII, 137; Wallawalla, XXX, 229; ill success of, XXVII, 389, XXIX, 165; found Oregon settlement, XXX, 193; at Dalles of Columbia, 119, 122; Oregon City, VI, 401, XXIX, 180, XXX, 158; Oregon, XXI, 138, XXVII, 388, XXVIII, 13, 45, 357, 376, XXIX, 21, 118, 126, 127; sketch, XXVII, 388, 389; Willamette valley, 389, XXVIII, 15, 17, 19, XXIX, 120, 133, XXX, 156, 180, 181.
- Metif, Pawnee Loup chief, XV, 157.
- MEXICO: extent, XXVIII, 116; described, XVIII, 75, 149-155, 172, 309-311, 358-364, 377, 378, XIX, 16, 167, XX, 178; climate, XVIII, 152, 377; natural features, XVII, 210, XVIII, 378, XX, 163, 248, XXVII, 312, XXVIII, 116; mines, XVIII, 86, XX, 190, XXVI, 105; quality of soil, XVIII, 375, XX, 157; plants, V, 170, VI, 101, XIII, 58, 114, 158, XV, 311, XIX, 295; wild animals, XVIII, 159, XX, 271; domestic animals, III, 245, VI, 341, XIII, 114, 142, 216, XV, 78, 208, 260, XVII, 145, XVIII, 196, XX, 260; antiquities, XIII, 345, XVIII, 371, XIX, 83, 302, XX, 68, XXII, 174, 220, 236, XXIV, 128, 143, 200, 201, XXVI, 153; aborigines, XIII, 121, 179, 240, XV, 41, 68, 69, 134, XVIII, 370, XIX, 259, XX, 67, 68, 71, 301, XXI, 40, XXII, 174, 177, 220, XXIX, 383 (see also Indians, below); pueblos, XVIII, 71, 73, 77-83, 103, 111-118, XIX, 267-271, XX, 56, 57, 61, 64 (see also elsewhere, Pueblo); qualities, XVIII, 370-373, XX, 43, 346; language, XVIII, 373; religion and mythology, XIII, 342-346, XVIII, 371-373, XX, 59; effect of Christianity, XVIII, 370-372; customs, XIII, 340, XVIII, 372, 373; policy of Spanish kings toward, XIX, 261; abuse of citizens, XX, 27, 201, 202, 225.
- Spanish conquest, XIII, 343, 344, XVIII, 372, XX, 189, 190, XXI, 30, XXVII, 180; ancient kingdom, XX, 55; territory claimed, XVI, 205; explored, XX, 68; provinces, XIX, 174, 258; viceroys, V, 269, 270, XVIII, 77, 361, 362; government, 277, XIX, 259, XX, 199, XXVI, 114; Spanish in, IV, 54, V, 176, XVI, 227, XVII, 156, XVIII, 153, 374, XX, 189, 190, XXVII, 31; in New Mexico, XVI, 77, 212, XVIII, 9, 73, 86, XIX, 270, 283, 287, 298, 301, XX, 63, 72; revolt against Spain, VI, 163, XVIII, 10, 152, 289, 308, 314, XIX, 270, XX, 72, 188, 190; Spaniards expelled, XV, 282, XVIII, 155, 179, 359, 364, XIX, 200, 306, 307; Mexican government, XVIII, 299, XIX, 175, 271, 295, XX, 37, 38, 170, 196-202, XXI, 24; constitution, XVIII, 352, XX, 37; centralization, 21, 174; presidents, XVIII, 179, 314; political troubles, 362, 367, XX, 176; laws and courts, XVIII, 258,

MEXICO (continued)—

310, 350, 352; relations with foreigners, 309, 374, XX, 23, 176, 177; with French, 100, 200; with Americans, IV, 54, XVI, 62, XVII, 76, XVIII, 113, 152, 291, 310, 311, 313, 315, 346, XIX, 176, XX, 191, 192, 201, 202, XXI, 22; with Texans, XVII, 176, XVIII, 366-369, XX, 225-236, 248; American legation, XVIII, 313, XIX, 274, XX, 38; Mexican-American War, XVIII, 277, 281, 363, XIX, 17 (see also Wars: Mexican); treaties, VI, 12, XX, 234.

Population, XVIII, 355, XIX, 275, 287; classes, XVIII, 374; lack of progress, 151, 358, XX, 30, 189; characteristics, XVIII, 16, 19, 48, 145, 146, 150, 151, 179, 330, 340, 357, 358, XX, 192, XXVII, 52; gratitude, XVIII, 81-83, XX, 150; hospitality, XVIII, 16, 74, 84, 269, 346, XX, 150; ingenuity, XIX, 336; politeness, XVIII, 169, XX, 347; simplicity, XVIII, 83, 84, 358; avarice, XIX, 258; barbarity, XVI, 209, XVIII, 221, 222; cowardice, 115, 172, 174, 176, 262, 311, XX, 202; credulity, XIX, 300; cruelty, XVIII, 152, 262, XIX, 166; immorality, XVIII, 339; indolence, V, 269; jealousy, XVIII, 154, 312; subtlety, XX, 347; treachery, XVIII, 76, 289, XIX, 175, XX, 81, 175, 176; unreasonableness, XVIII, 363; food, 74, 75, 99, 146, 358, XIX, 239, 290-294, 309, 324, 325, XX, 66; dress, XVIII, 74, 274, 358, XX, 65, 66; occupations, XVIII, 150; hunting, 281, XX, 261, 265-268; dwellings, XVIII, 14, 74, 155, 278, 344, XX, 62; women, XVIII, 331, 339, 358; concubinage, 338; utensils, XIV, 145, XVIII, 168, XIX, 290, 301, XX, 64; weapons, XVIII, 74, XIX, 206, XX, 324; manners and customs, XVI, 212, XVIII, 15, 18, 147, 167, 168, 312, 342, 343, XIX, 177, 330, 331, 338, 349; garrisons, XIII, 293, 294, XXVI, 138; officials, characteristics, XVIII, 310, 311, XIX, 250, 306-308, XX, 25, 26; view of muleteers, XIX, 315; mining, XX, 181.

Boundaries, V, 235, VI, 161, 162, XIV, 41, XV, 245, XVIII, 87, XX, 79, 119, XXI, 50, XXVIII, 122, 128, 187, 295, XXIX, 171, 232; land laws and grants, V, 252, XIX, 289, 290, XX, 82, 83; villages, XVIII, 160, 342, 365; manufactures, 168, 342, XXVII, 255; wealth, XVIII, 150; coins, XIX, 272; exports, XVIII, 151, XIX, 301, XX, 184; customs, XVIII, 338, 352-354, XIX, 16, 255, 256, XX, 172, 226; ports closed, XIX, 16, 17; trade with, VI, 163, XVI, 191, XIX, 14, 160, 173; traders, 207, 239, XXIX, 27; travelling in, XX, 149, 173; reckoning distances, 140; railway, 159, 169; emigrants from, XVIII, 278, 283; beggars in, 309; blacksmiths, XX, 169; negroes, 167; slavery, XIX, 104, 344; prisons, XVI, 209; prisoners, VIII, 280, XVI, 85, 227, XXI, 38, XXVIII, 14, XXX, 70; highwaymen, XVIII, 317, XX, 168, 236; horse-stealing, V, 176, 177, XV, 207, XVI, 207, XVIII, 173, XXVII, 180; smallpox, XVIII, 264, XXII, 35; funeral rites, XVIII, 356; religious disposition, 154, 343, 344, 352, XIX, 261, 262, XX, 43, 45, XXIX, 364; superstitions, XVIII, 156, XIX, 287, XX, 42; churches, XVIII, 153, XIX, 334, XX, 187, 188; Inquisition, XVIII, 379; priests, 345, XIX, 176, XX, 51, 52; patron saint, XVIII, 356, 357, XX, 40, 41; ceremonies, XVIII, 75, 147-149, 312, 338, 354-357, XX, 46, 48, 49; religious freedom, XVIII, 353, XX, 37, 97; missions, 41, 289, XXVIII, 149.

Indians: XIII, 354, XVI, 199, 207, XXVIII, 141 (see also aborigines, above); Mexican relations with, XIII, 321, 332, 355, XIV, 152, 153, 232, 241, XVI, 55, 87, 95, 208, 212, XVIII, 111-118, 120; trade with, XVI, 105, 116, XVII, 76, 156, XX, 80, XXIII, 96; captives among, XIII, 323, XVIII, 13, 78, 81, XX, 129, 130; relations with Apache, XVIII, 109, 155, 376, 377; Arapaho, V, 225; Blackfeet, XVIII, 144, XXII, 367; Caddo, XVII, 72; Cherokee, XIII, 176; Chickasaw, VIII, 304; Comanche, XX, 126, 137, 347, XXVIII, 151; Karankawa, 149, 150; Missouri, V, 56, XV, 133-135; Navaho, XX, 71; Pacaha, XIII, 325; Pawnee, XV, 154, 160, 225, XVI, 217, XVII, 76; Pimi, XVIII, 200; Shawnee, XXVIII, 137; Ute, XX, 84, 85, XXVIII, 190; Yaqui, XVIII, 149; Yuma, XXVIII, 260, 261; Mexicans and Indians compared, XVIII, 166, 274.

Expeditions: Becknell's, XIX, 177; De Soto's, XIII, 336, XXVI, 231; Gregg's, XIX, 16, 162, XX, 87, 104, 137, 150, 197, 219; Pattie's, XVIII, 13, 16, 17, 87, 108, 144, 159, 171, 178, 245, 274, 316; Pike's, IX, 117, XIX, 175; Sparks's, XVI, 85, XVII, 66-68, 71-76; Willard's, XVIII, 332, 337; Armijo, XIX, 256; Birkbeck, X, 48; Bocanegra, XX, 235; Bullock, XIX, 13, 119, 122; Burr, IV,

54; Butler, XVIII, 313; Farnham, XXIX, 26; Humboldt, XVIII, 345; Kearney, XVII, 12; McLeod, XX, 205; Maclure, XXII, 164; Maximilian, 132; Poinsett, XIX, 348; Thompson, XX, 235; Venegas, XIV, 78; Wilkinson, IV, 245.

Archives: IX, 211; authorities on, XVIII, 262, 345, XIX, 13, XX, 55, 224, XXVI, 213, XXVIII, 15. See also New Mexico, and Spanish.

Mexico City, XVIII, 153, 316, 342, 378, XIX, 259; road to, XVIII, 317; mountains near, XX, 39; aborigines of, 65; captured by Cortez, XIX, 258; in Mexican War, 187; described, XVIII, 311-314, 378, 379; bishop of, 356; college in, 290; troops, 310; commerce, 351, 373, XX, 224; American minister in, 27; Echeandia, XVIII, 291, 315; Edwards, 366; Pattie, 24, 298-302, 305, 307-314; Perez, XIX, 271; Solis, XVIII, 290, 303; Texan-Santa Fé expedition, XX, 188.

Mexkehme-Sukahs. See Mehkskéhmé-Sukahs.

Mexkemanastan, Grosventre chief, XXIII, 166; character, 72; on Bighorn River, 136; portrait, XXV, 20.

Meyen, Dr. Franz Julius Ferdinand, on Indian affinities, XXII, 218-221.

Mezcal, described by Gregg, XX, 74.

Mezcalero Indians. See Mescalero.

Miaketa. See Little Soldier.

Miami (Twigtwee) Indians, stock, I, 27, XXVII, 35; tribes, I, 142, III, 68, XX, 297, XXVIII, 134, 135; habitat, I, 27, 28, 53, 62-64, 66, 76, 122, 149, 168, 327, II, 43, IV, 263, XXII, 178, XXVIII, 136; migrations, XIII, 322; reservation, XXII, 252; language, I, 306, XIII, 322; customs, I, 306, XI, 211, XX, 343; number of warriors, I, 168; relations with French, 72, 120, XXIV, 137; with English, I, 53, 54, 66, 67, 74, 76, 90, 91, 147, 150, 154, 155, 168, 296, 308, 310, 314, 316; Americans, 327, III, 34, IV, 256, VIII, 207, XXVI, 280; sketch, I, 27.

Miami County (Kans.), Indians in, XXVIII, 134, 135.

Miami Swamp. See Black Swamp.

Mica, on Monongahela River, III, 30; abundant, XVII, 231; imbedded in amygdaloid, 208; granite, 184, 230; sandstone, XVI, 68, 164, XVII, 223; black, XV, 302; silvery, XII, 57; slate-, XVII, 184, 188, 221, 223, 247; yellow and white, 30; scales of, 57; observed by Faux, XI, 140; James, XVI, 15, XVII, 192, 193; Long, XV, 241, XVI, 173; Nuttall, XIII, 150, 173, 229; Maximilian, XXII, 90.

Mice, habitat, XXIII, 208, XXIV, 44; plentiful, X, 287, XXIII, 125; observed by Maximilian, 24; Indian legends regarding, 305, 312, 337; Chinese, XI, 46; coal, XXIII, 212; field (*mus agrarius*), VI, 319, XIV, 309, XV, 317; *bursarius*, 168, 169; *floridanus*, XIV, 106, 107; leaping, XV, 317; *leucopus*, XXII, 385, XXIV, 44; meadow, XV, 317; *musculus*, 318.

Michael. See Ensyla.

Michaux, André, botanist, III, 131, V, 42, VI, 139, VIII, 9; connection with Genet enterprise, III, 39, 42, 44; corresponds with Blount, 95-97; in North Carolina, 56; Kentucky, 73; visits Madison, 87; meets with accident, 67; hunting, 78, 82; buys horse, 58, 85, 94; loses horse, 57, 58, 77, 86; on horseback, 52; on foot, 86, 87; baggage of, 36, 65, 69, 94; stuffs goose, 78; plant classification, 53; botanical collection, 64, 71, 78, 89, 100; introduces European plants, 123, 124; print of slippery elm, XXII, 167; journals contrasted with other travellers, V, 13, XI, 16; *Flora*, III, 19; *Histoire des Chênes*, 15, 19; *History of Oaks*, 127, 128; *Travels*, 18, 27-104, 333, 345, 349, IV, 147, 179, 187, 244, 275, 277, V, 259, 262, VI, 57, VIII, 53, 76, 248, 262, 264, 276, 277, 280, 291, 292, 297, IX, 56, 100, 127, 132, X, 39, 67, 69, 199, 200, 213, 221, 223, 232, 267, XI, 146, 153, 164, 169, 179, 185, 188, 194, 195, XII, 197, 221, 288, XIII,

MICHAX (continued)—

51, 54, 59, 71, 119, 202, XV, 60, 64, 73, 98, 102, 108, 137, XVII, 22, XVIII, 29, XIX, 32, 35, 50, 63, 101, XXI, 37, 39, XXII, 144, 149, 155, 203, 208, 210, 212, 215, 216, XXIV, 139, XXVI, 12, 78, 87, 101, 106, 148, XXVII, 29, 40, 70, 75, 91, 117; sketch, III, 11-19.

Michaux, François André, botanist, III, 124, 149; in Charleston (S. C.), 117-123; has yellow fever, 119; purchases horse, 141; on foot, 154; distance travelled, 156; purchases canoe, 172; *Histoire des arbres*, 15, XIII, 16; *Memoire de fièvre jaune*, III, 15; *Notice sur Isles Bermudas*, 15; *Travels*, II, 20, 34, 60, 62, 117-306, 334, 335, 337, 342, 343, IV, 73, 76, 96, 112, 148, 176, 187, 191, 322, V, 211, VIII, 53, 60, 228, 248, 254, 258, 263, 264, 312, IX, 64, 100, 118, 127, 132, X, 35, 64, 70, 215, 218, 226, XI, 166, 194, XII, 197, 207, 222, 283, XIII, 42, 43, 56, XIV, 69, 155, XIX, 26, 100, XXI, 37, XXII, 152, XXIV, 148, XXVII, 47; *Voyage*, XIV, 69; sketch, III, 14; portrait, *frontispiece*, III.

Michteltorena, —, campaign against Alvarado, XXX, 89.

Michichinakua (Little Tortoise), color, XXII, 221.

Michigamé Indians, Illinois tribe, XXVI, 123, XXVII, 35; join Arkansas, XIII, 122.

Michigan, II, 51, X, 268; topography, VIII, 214, 215, 221; climate, 220, 221; flies in, XI, 158; fruits, VIII, 221; included in Northwest Territory, 290; as a boundary, 208, 235, 255, 283, XIX, 65; Indians in, II, 47, XX, 294, XXIII, 90, XXVIII, 134, 135, 156; roads in, VIII, 83; quality of soil, 220, IX, 188; agriculture, VIII, 219; commerce, 221, 222; fisheries, 221; organized as a territory, XIX, 53; Cass governor, VIII, 216; area and population (1810), V, 287; importance, VIII, 218, 219; political outlook, 218; emigrant rendezvous, XXX, 261; fort in, XXVII, 75; militia returns, X, 357; school grants, XIV, 105; Historical Society, librarian, XXIV, 147; *Pioneer and Historical Collections*, I, 283, VII, 35, VIII, 229, XXVII, 64; described by Evans, VIII, 12.

Michillimackinac. See Mackinac.

Michuacan (Mex.), flax in, XIX, 339.

Mickle, J. J., in South Carolina, XI, 86, 87.

Microscopes, robbery of, XIII, 253.

Middle-Bull, portrait, XXIII, 158, 159.

Middle Park (Colo.), boundary, XXVIII, 215, 304; river in, 223; divide, 225; sketch, 221.

Middle Station (Ky.), site, XXVI, 48.

Middlebury (Vt.), Atwater in, IV, 48.

Middlesex County (Mass.), soil, XXI, 26.

Middleton, —, in Charleston (S. C.), XI, 94.

Middleton, —, quoted, XXVI, 325.

Middleton Station (Ky.), A. Michaux in, III, 45, 51.

Middletown (Conn.), White in, XXIV, 185.

Middletown (Md.), described by Faux, XII, 22.

Middletown (Ohio), road, IX, 126.

Middletown (Pa.), origin of name, IV, 36; calcareous rocks in, XIII, 36; turnpike, IV, 34; Cum-
ing, 35, 36, 96, 97; Flint, IX, 66; Harris, III, 370; Nuttall, XIII, 37; population, IV, 36, 96; de-
scribed, 36; sketch, IX, 64.

Middletown (Va.), White in, IV, 104.

Miegia, habitat, XVI, 156; abundant, 186; quality, XVII, 28; *macrosperma*, XXII, 165.

- Mifflin (Pa.), thermometrical observations in, III, 375.
- Mifflin County (Pa.), seat, XXII, 132.
- Mignonette, cultivated, X, 303.
- Mih-Tutta-Hang-Kush, Mandan village, XXII, 344, XXIII, 230, 317, 318, XXIV, 19, 259; site, XXIII, 221, 233, 254, XXIV, 20; ground plan, XXIII, 318; inhabitants, 223, 234, XXIV, 39; Assiniboin, 64, 80; band of white buffalo cows, 62; ark in, XXIII, 312; potato culture, 241; wood supply, XXIV, 65, 66; burial stages near, 15; medicine lodges, XXIII, 340; corn feast celebrated, XXIV, 77; dance of dog band, 74; Maximilian in, XXIII, 323; described, XXII, 349, XXIII, 266; compared with Ruhptare, XXIV, 21.
- Mihti-Pihka (smoke of the village), Mandan chief, XXIII, 314.
- Mihti-Shi (robe with the beautiful hair), Mandan chief, XXIII, 314.
- Mikotsotskina (red horn), described by Maximilian, XXIII, 145.
- Mikutseh-stomik (red buffalo), in Fort McKenzie, XXIII, 157, 158.
- Milan (N. Y.), now Syracuse, XXIV, 180.
- Miles, —, tavern-keeper, IV, 130.
- Milesburg (Pa.), road, I, 190.
- Milfoil, abundant, XIII, 220.
- Milford (N. H.), Evans in, VIII, 105; Livermore, XXI, 49.
- Miliolites, varieties, XIV, 227; *centralis*, 171, 228; *sabulosus*, 227; *secalicus*, 227.
- Militia, need of, XII, 304; cost, VIII, 172; efficiency, 167-174; lacks discipline, 173, IX, 298; returns, X, 356, 357; laws regarding, XII, 303; backwoodsmen as, VIII, 47, XXIV, 154; substitutes, XII, 304; go over to English, I, 114; manner of firing, XXI, 71; quell riots, XXIV, 192; officers, appointment, V, 290, 291; character, IX, 201; individual officers, I, 91, 288, III, 256, V, 251, 254, XIII, 134; in Revolution, III, 56, IV, 116, XII, 70, 96; War of 1812-15, VIII, 171, 207, 210, 212, XV, 174; at Tippecanoe, VIII, 173; French, XIII, 360, XXVII, 91; territorial, 255; in California, XXX, 89; in Florida, IV, 334; Illinois, X, 311, XIII, 360, XIX, 174, XXVI, 126, 133, 165, 310; Indiana, IX, 294, XII, 272, 273; Kentucky, III, 85, IV, 132, VIII, 207; Louisiana, XIII, 313, XXVII, 56; Maryland, VIII, 171; Massachusetts, XXII, 45; Mexico, XIX, 347; Mississippi, IV, 319, 324, 344, 345; Missouri, 281, VI, 39, 40, XX, 98, XXII, 50; New York, XI, 209; North Carolina, III, 56; Ohio, IV, 201, XXX, 153; Oregon, XXI, 201, XXIX, 22, XXX, 192, 303; Pennsylvania, I, 84, 234, IV, 46, XII, 317, XIV, 230; South Carolina, XI, 73; Tennessee, III, 61, 96, 98, VIII, 172; Texas, XX, 228; Virginia, I, 95, III, 360, IV, 116, XII, 19, XIV, 63, XIX, 181, XXVII, 88. See also Ammunition, Arsenal, Troops, Wars, and the several states.
- Milk, abundant, XXIV, 115; scarce, XI, 77, 252, 299, XII, 249; as supply, XIV, 128, XXX, 244, 258; article of trade, IX, 234, XII, 76, XXII, 53, 61; prices, X, 233, XI, 213, XIV, 141, 142; as a present, X, 215; article of food, 222, 232, XI, 288, XII, 11, 12, 162, XIII, 131, 213, XIV, 141, 142, XVII, 17, XVIII, 74, XXI, 126, 279, XXII, 116, 318, XXIV, 108, 192, XXIX, 132; poor quality of, VIII, 331; goats, as food, XIX, 252, 325; sour, as food, VIII, 64, XI, 153, XIV, 142. See also Agriculture, and Cattle.
- Milkweed (*asclepias incarnata*), observed by Maximilian, XXII, 82; *speciosa*, XXIII, 35.
- Millar, George, sketch, III, 361.
- Millepores, observed by Flint, IX, 287; Nuttall, XIII, 60; *cylindrica*, XIV, 223; *flustriformis*, 223; *phytoid*, XVI, 41.
- Miller, —, artist, XXVIII, 290.

- Miller, —, cattle-man, XII, 321.
- Miller, —, on Federal Creek, IV, 150, 151.
- Miller, —, Post visits, I, 290, 291.
- Miller, Judge —, portrait, XII, 92.
- Miller, Abraham, in Ohio, IX, 285.
- Miller, Jacob, in Woodstock (Va.), III, 49.
- Miller, Gov. James, XI, 167; in War of 1812-15, VIII, 212, 213; first governor of Arkansas, XIII, 152, 156; relations with Indians, V, 222, 223, XIII, 192, XVII, 21; sketch, XI, 167, XIII, 291.
- Miller, Jesse, on Mulberry Creek, XIII, 195.
- Miller, John, founds Millersburg (Ky.), III, 198; Michaux visits, 57.
- Miller, John, publisher, XIX, 115.
- Miller, Joseph, fur-trader, VI, 284, VII, 39, 180, 183, 186; relations with Indians, V, 106, 107, 225; on Columbia River, 225, XV, 237; with Hunt, V, 228; deserts Hunt, VII, 223; sketch, V, 106.
- Miller, Simon, on Mulberry Creek, XIII, 195.
- Miller County (Ark.), Little River of the South in, XVII, 77.
- Millersburg (Ky.), Cuming in, IV, 176, 199; F. A. Michaux, III, 197; described, IX, 129; population, III, 197, IV, 176; sketch, III, 198, IV, 178, 179.
- Millersburg (Pa.), Maximilian in, XXII, 138.
- Millersport (Ohio), Maximilian in, XXIV, 151.
- Millerstown (Va.), now Woodstock, III, 49.
- Milliners. See Trades.
- Millor, —, in Illinois, XI, 270.
- Milltown (Pa.), origin of name, IV, 29.
- Millville (Ill.), railroad in, XXVI, 297.
- Mills. See Architecture, and Manufactures.
- Milton (N. H.). See Wilton.
- Milwaukee (Wis.), Potawatomi in, I, 115; Hoeken, XXIX, 135.
- Mima (Mo.), population, XVII, 126.
- Mimosa, erecta-herbacea*, III, 63; *glandulosa*, XIII, 103; *illibrissin*, III, 124.
- Mimulus*, new species, XIV, 156; *ringens*, III, 30, XIV, 156.
- Minavavana (Le Grand Sauter), Ottawa chief, I, 161.
- Mindeleff, Cosmos, cited, XX, 68.
- Mine River settlement (Mo.), population, VI, 48.
- Mineola (Mo.), site, XV, 174.
- Miner, William, district clerk, XVIII, 24.
- Mineral waters, III, 205, XII, 172, XVI, 13.
- "Minerva," Boston ship, XII, 134.
- Mines, explorations for, XXVII, 42, 43; in British Columbia, XXIX, 44; Idaho, XXI, 244, XXX, 91; Illinois, XXVI, 252, XXVII, 118; Mexico, XVIII, 343, XX, 174-190; Missouri, V, 251, XV, 175, XVII, 219, XXVI, 95, 104, 105, 263; New Mexico, XIX, 177, 263, 299-310, XX, 88; Oregon, XXIX, 100; on St. Lawrence, XXVII, 36; abandoned, XVIII, 349, XIX, 177; land

grants for, XXVII, 42; companies, XII, 18; speculation in, XX, 179, 180, XXVII, 42, 43; profits, XIX, 306-309; methods, 305-309, XX, 180, XXII, 122, XXVI, 95; smeltings, XVIII, 351, XIX, 303; miners, V, 249, XIX, 309; trouble with Indians, XXI, 329; emigrate, XXVII, 92; mining unpopular, V, 275.

Mingo Indians, habitat, I, 200, II, 43; relations with English, I, 208, 230, 273; in Dunmore's War, XIV, 63; Revolution, XXIV, 156; killed by whites, XI, 124.

Mingo Junction (Ohio), formerly Mingo Town, I, 128.

Miniconjou Indians, Teton band, XXII, 326; population, XXVII, 166.

MINITAREE (Big Belly, Grosventre, Hidatsu) Indians: origin of name, XXIII, 367; stock, V, 226, XX, 297; affinity, V, 114, 163, 226, XXII, 353, XXIII, 254; French name for, VI, 371, XXIII, 367; sketch, V, 114, XV, 57, 58; described, XXII, 346, 350, 358-364, XXIII, 251, 367-385; habitat, V, 162, 164, XV, 223, XXII, 15, 352, XXIII, 220, 222, 367, 368, XXIX, 367; population, V, 114, 162, XV, 57, 58, XXIII, 375, XXVII, 166; physical characteristics, XXIII, 220, 255, 368, 386, XXIV, 92, 112; mental, XV, 61, XXIII, 289, XXIV, 35, 67, 69; language, XXIII, 223, 254, 365, 385, 394, 395, XXIV, 50, 58; spoken by Arikara, 103; names for other tribes, XVI, 215, XXII, 352; interpreters, XXIII, 222; vocabulary, XIV, 18, XVII, 290-298, 304, 305, XXIV, 261-276; dialect, 207, 221, 222, 225, 235; sign-language, 300, 301; religion, XXIII, 301; deities, XV, 57, 58, XXIII, 339; ceremonies, XV, 61-63, XXIII, 122, 323, 324, 370, 373, 375, 382; amulets, 321, 37, 378, 382; belief in future life, XV, 65, XXIII, 361, 374, 375; superstitions, XV, 57-59, 63, 64, 66, XXII, 353, XXIII, 299, 311, 343, 344, 372, 374, 383; myths, XIII, 346, XV, 64, 65, XXIII, 300, 316, 367, 372-374, 376, 380-382; medicine men, XV, 60, 61, 128, XXIII, 372, 373, 377-380, 382, 384; feasts, 334, 370, 376, 377, XXIV, 20, 25, 27-31, 42; fasting, XV, 58, XXIII, 390; dances, V, 156-159, XIII, 256, XV, 127-130, XXIII, 232, 296, 371, 376, 389, XXIV, 30-34, 67, 68, 75, 78.

Social and Economic Life: food, XXIII, 220, 370; occupations, 241, 272, 273, 275, 278; hunting, 216, 246, 347, 383, XXIV, 27, 32; domestic animals, XXIII, 273, 346, 370, XXIV, 45; villages, V, 159, 318, XV, 59, XXII, 357, XXIII, 219, 235, 236, 369, XXIV, 24; winter villages, XXII, 365, XXIII, 217, 234, XXIV, 24, XXVII, 149; huts, XXII, 357, XXIII, 272, 370; sweat houses, 379, 380; dress, XXII, 367, XXIII, 369, XXIV, 33; robes, XXIII, 102, 264, 323, 369; head-dress, 99, 100, 369, XXIV, 27; ornaments, XXIII, 144, 200, 265, 368, 369, 372, XXIV, 28; necklaces, XXII, 389, XXIII, 261; masks, 388; ointment, 266; tattooing, 369; chiefs, V, 161, 162, XV, 97; partisans, XXIII, 377; domestic relations, 283, 284; berdashes, 284; squaws, V, 152, 154, XXIII, 382; children, 370, 371, 388; transportation, XXII, 391; weapons, XXIII, 119, 354-358; treatment of enemies, 351, 384; smoking, V, 159, XV, 58, XXIII, 382; games, XIII, 298, 299, 371; presents, XV, 58, 129; self-torture, XXIII, 333, 341, 377-379; music, 378; calendar, 383; diseases and remedies, XV, 58, XXIII, 384; mourning and burial customs, V, 160, XV, 58, XXII, 354, XXIII, 360, 384, 385.

Relations: intertribal, VI, 32, XXIII, 354, 384, XXIV, 45, XXVII, 398; with Arikara, XXIII, 394; Assiniboin, XXII, 392, XXIII, 18, 200, 204, 232, 233, XXIV, 64, 65, 81, XXVII, 149; Blackfeet, XXIII, 83, 100; Crows, XXII, 353; Flatheads, XXVII, 181; Mandan, XXIII, 230, 311, 316, 317, XXIV, 48, 52, 261, 262, XXVII, 150; Sioux, V, 103, 108, XXIII, 228, 230-233, XXIV, 13, 21, 29; with whites, V, 113, 127, XXIII, 289, 290, 383, XXIV, 81, XXVII, 147; agents among, XXII, 235, 351; fur-traders, V, 156, XXIII, 229; British, XV, 282; trading-posts, XXIII, 217, 223; in Fort Clark, XXIV, 17, 20; Charbonneau among, VI, 32, XXII, 345, XXIII, 229, 230, XXIV, 44; Kipp, 54, 55, 62; Maximilian, VI, 33, XXII, 16, 358, XXIV, 34, 35; Mitchell, XXIII, 85; attitude toward missionaries, XXVII, 184, 192, 284, XXIX, 367; portraits, XXIV, 72, XXV, 26.

Mink, Crow Indian, XXVII, 146.

- Mink, habitat, II, 76, 132, VI, 323, XXIX, 51; numerous, XXII, 135, 168, 188; article of trade, XXI, 347; *mustela mink*, XV, 317; *vison*, 317, XXII, 101; number of skins sold annually, 381; traps described, 192.
- Minnesota, boundary, II, 51, VI, 383, XXIII, 225; explored by Lahontan, II, 28; Carver, 30; Indians in, 189, XXVIII, 156, XXIX, 239; Indian reservations, XXIII, 190; mission in, XXIX, 233; trading-post, XXII, 233; pipestone quarries, II, 83, V, 107, XXII, 279, 322; *Historical Collections*, II, 113, XXII, 390, XXIII, 190, 225, XXIV, 97, XXVIII, 156.
- Minnows, as bait, XXI, 194, 209.
- Minohanne (left-handed), Assiniboin chief, sketch, XXIII, 147.
- Minor, Stephen, in Natchez, IV, 332, 343.
- Minoya Indians, Alvarado among, XIII, 336.
- Minsi, Delaware tribe, I, 220.
- Mint, abundant, X, 207; location, XIV, 156, XX, 190.
- Minter, —, killed by Pawnee, XIX, 238.
- Minto, John, *History of Minto Pass*, XXX, 125.
- Mirage, causes, XV, 268, XIX, 242, 243; Becknell observes, 179; Elphinstone, XV, 266-268; Gregg, XIX, 241; James, XV, 184; Long, XIV, 14, XV, 265, 266, 268; Niebuhr, 268.
- Miranda, Don Guadalupe, politeness to Gregg, XIX, 259.
- "Misère," sobriquet for Ste. Geneviève, V, 258.
- Missions, founders, XXVI, 304; foreign, VI, 209, 217, 222, XII, 53; in America, XVII, 61, XXVI, 14; societies, IV, 90, XXVII, 382, XXVIII, 333; for Indians, II, 13, 29, 37-40, 47, 58, 61, 67, 68, 79, 192, 196, VII, 310-319, VIII, 74, 158, XII, 49, XXVII, 251, 354, 355, 378, XXVIII, 161; desired by Indians, XXVII, 130, 135, 142, 147, 151, 170, 229, 230, XXVIII, 360, XXIX, 119, 172, 280, 281, 295; Indians, attitude toward, XIII, 260, XXIII, 287, 300, XXVII, 135-147, 176, 202, 336, 377, 394, XXIX, 126, XXX, 229; murder missionaries, XXI, 353, XXVII, 279; success of, VII, 310, XVIII, 370-372, XXIV, 186, XXVII, 282, 382, 383, XXVIII, 12, 331, 332, XXIX, 97, XXX, 113; value, II, 39, 40, 66, 67; abandoned, XXIX, 95, 96, 135, 142, 240, XXX, 182, 183; among Attaye, XXVII, 377; Assiniboin, XXIX, 221; Blackfeet, XXVII, 193, XXIX, 135, 191; Cayuse, XXVIII, 12, 331, 332, XXIX, 142, XXX, 240; Cherokee, XIII, 182, XXII, 85; Chilcotin, XXIX, 277; Chippewa, XXIII, 192, XXIX, 240; Cœur d'Alène, XXVII, 192, XXVIII, 17, XXIX, 137, 139, 315; Flatheads, XXVI, 14, XXVII, 147, 229, XXVIII, 16, XXIX, 120, XXX, 240; Iroquois, XIII, 344, XXVII, 230; Kalispel, XXIX, 297; Kansa, XXVIII, 139, 140; Karankawa, 149; Kickapoo, XXVII, 263; Kutenai, 358, XXIX, 191, 192; Montagnais, 254; Nez Percés, XXVII, 284, XXX, 283; Okinagan, VII, 310; Oneida, XXIV, 183; Osage, XIII, 279; Potawatomi, XXVIII, 18, 134, XXIX, 234; Pueblo, XX, 59; Seneca, XXIV, 163; Shawnee, XX, 287, 288, XXVIII, 137; Shoshoni, 275; Sioux, XXIX, 233; Stockbridge, VIII, 127; Tuscarora, 157, 158, XIX, 150, XXIV, 175; in Arkansas, IV, 298; Athabasca, XXIX, 231, 232, 249, 250, 255; California, XVIII, 15, 16, 131, 188, 220-223, 226, 227, 273, 282, 287, 306, XXVIII, 14, XXIX, 116; Canada, II, 14, 37-40, 47, 58, 79, 192, 196, III, 232, VI, 190, XXVII, 230, XXIX, 141; Illinois, III, 70, 80, XXVI, 133, XXVII, 49; Iowa, 153; Louisiana, XIII, 147, XVII, 65; Mexico, XVI, 117; Missouri, XXVI, 279; Nebraska, XV, 203; Neosho River, XVII, 82; New Caledonia, XXIX, 301; New Mexico, XVIII, 75, XIX, 260, 265, 301; Oregon, XXI, 12, 73, 138, XXVII, 367, 389, XXVIII, 10, 13, 17, 274, 275, 357-360, 363, 376, XXIX, 15, 17, 19-21, 25, 26, 38, 115, 118, 126-128, 133-137, 139-143, 167-170, 181-184, 279, 386, XXX, 180-183; Texas, XVIII, 367, XX, 255; on Columbia River, XXIX, 271, XXX, 241 (see also Oregon, above); Gila River, XXVIII, 261; Puget Sound, XXIX, 129, 130,

- 132, 135, 143, 148, 151, 152; Assumption, 122, 192, 199; Cœur d'Alène, XXVII, 192, XXVIII, 17, XXIX, 137, 139; Cowlitz, XXVII, 386, XXIX, 128, 132, 135, 136, 143, 145, 148; Holy Heart of Mary, 122, 204; Kamai, XXVIII, 342, XXIX, 96; Lapwai (Clearwater, Spaulding's), XXVIII, 102, 338, 342, 343, XXIX, 88, 92, 95, XXX, 15, 222, 232, 235-241, 262, 283, 291; Sacred Heart, XXVII, 365, XXIX, 122, 137, 139, 173, 304, 306, 309-321; St. Ann's, 231, 232, 249, 250; St. Catherine's, XVIII, 208, 220; St. Francis Borgia, XXVIII, 16, XXIX, 122, 174, 325; St. Francis Regis, 191, 290; St. Francis Xavier, II, 37, XXIX, 169, 173, 179, 181, 277, 279; St. Ignatius, XXVII, 193, 230, XXVIII, 16, XXIX, 122, 135, 137, 139, 183, 186-188, 191, 250, 273, 287, 291, 296, 301, 322; St. Joseph's, XXVII, 153, 154; St. Mary's, XXVI, 17, XXVII, 192, 193, 282, 293, 294, 297, 309, 310, 319, 329, 331, 347, 355, 357, 380-385, XXVIII, 16, 17, XXIX, 133, 134, 137, 139, 155-168, 173, 175, 220, 307, 321, 323, 325; St. Paul's, 165, 180, 191, 267; St. Peter's, XXVII, 193, XXIX, 191; St. Stanislaus, 166; San Saba, XX, 348; Spokane, XXVII, 367, XXVIII, 338, 342, XXIX, 92; Whitman's (Wailaitpu), XXVIII, 12, 91, 323, 329, 333, 354, XXIX, 92, XXX, 232, 263, 286, 290; Catholic, XXVI, 279, XXVII, 126, 139, 147, 201, 202, 297, 315, 316, 345, 377, 386-390, 403, 406-412, XXIX, 20, 118, 129, 137, 139, 142, 143, 170, 181, 182, 279, 309, 321, 386; Dominican, XVIII, 15, 16; Franciscan, 73, 155, 279; Jesuit, IV, 298, XXVI, 14, 18, XXVII, 49, 263, XXVIII, 16, XXIX, 139, 192; Sulpitian, XIV, 102; Protestant, IV, 90, XXVII, 284, XXIX, 126, 133, 170; Baptist, XX, 305; Congregational, XVIII-25; Methodist, XXVII, 390, XXIX, 15, 17, 20, 21, 26, 118, 126, 127, 165, XXX, 119, 122, 180; 183; Presbyterian, IV, 311, 312, XXVIII, 344, XXIX, 126, XXX, 108; Quaker, IV, 89, 90-rivalry, VII, 317-319, XXVII, 337, 368, 388; missionaries as pioneers, XXVIII, 10; inadequate numbers, XXVII, 175, 176, 229, XXX, 237; spirit, XXVII, 131, XXVIII, 379, XXIX, 22, 156-159, 170, 177, 311, 325; methods, VII, 310-316, XXIX, 22, 101, 133, 172; qualifications, VII, 315-317; duties, XX, 61, XXVII, 311, 312, XXX, 236, 237, 285, 298; hardships, XXVII, 129, 343, 370, 378, 381, 388, XXVIII, 336, XXIX, 121, 123, 163, 164, XXX, 240; consolations, 299, prosperity, XXIX, 92, 130; salaries, XXX, 240, 298; solicit funds, XXVII, 17, 155, 191, XXIX, 91; foster agriculture, XXI, 141, XXVII, 130, 354, 365, XXVIII, 320, 342, XXIX, 88, 92, 122, 287, XXX, 159, 183, 286, 290, 291; quarrels among, 156; form settlements, XXIX, 85, 91, 95, 97; at St. Louis, XXVI, 31; on journey to Oregon, XXI, 138, 279, 352, XXVII, 273, XXVIII, 15, 322; journal of, XXVII, 176, 177; relics, XXIX, 145; as artists, XXVII, 130; kindness to, XXVIII, 342.
- Mississauga Indians, habitat, VIII, 234; history, II, 47; at Detroit, 50; incident of, 114; Waobecomica chief of, I, 154.
- Mississippi, climate, III, 254, IV, 350; topography, 350, VIII, 315, XVII, 249; drainage, V, 237; boundary, IV, 292, 331, 332; natural features, II, 198, IV, 353, VIII, 292, 313; area and population, III, 254, IV, 356, V, 287; described, VIII, 312; character of soil, IV, 350, VIII, 315; agriculture, III, 254, IV, 24, 352, 353, XIII, 64; history, IV, 306, 323, X, 268; French in, IV, 323, XIII, 314; territory organized, III, 254; statehood, X, 268; capital, IV, 319; governor, 323, 325; government, 317, 324, 325, XXVIII, 124; judges, IV, 311, 325; congressman, 347; historians, 287; roads, 344, X, 208; plantation life, IV, 12, 13; religion, 352; land question, III, 70, IV, 306, 324, XIII, 302; settlements, IV, 8, 307, 336, 337; emigration, XIX, 110; crime in, IV, 268; Indians in, I, 75, II, 50, IV, 286, 287, XIII, 174, 176, 305, 363, XVII, 68; migrate from, XIII, 182; individual settlers, IV, 314, 320, 324, 350, XIII, 182, 300, 303, XIX, 274; Mississippi & Springfield Railway, XXVI, 297.
- Missoula (Mont.), site, XXVII, 254; Hell Gate near, 269; Saxa in, 233.
- Missouri, XII, 17, 319; origin of name, XXVIII, 146; nickname, XXVI, 335, 336; natural features, V, 246, 247, VIII, 164, XIII, 326, XIV, 161, XV, 166, 167, XVII, 38, 39, 121, 122, XXI, 53, 67, 100, XXII, 208, XXVI, 88, 176, 213, 274, 284, 285; rivers, VI, 72, 73, VIII, 315,

MISSOURI (continued)—

XIV, 174; geological formation, V, 245, 246, XXIV, 125; minerals, V, 241, 254, VI, 163, XI, 246, XIV, 161, 163, XVII, 38, 41, 221, 234, XX, 247, XXVI, 102, 263; plants, V, 255-257, XI, 284, XVIII, 128; animals, V, 257, XX, 265; climate, V, 255, 256, 263, IX, 187, XII, 16, 197, XVII, 128, 129, XX, 97, 219, 259, XXII, 240; earthquake, XV, 57, XVII, 39; topography, V, 235-271, VIII, 297, 308, 309, IX, 130, XI, 263, XIII, 104, 105, XVII, 122, XIX, 62-65, XXI, 50, XXX, 32-34; drainage, V, 237; area, 287, VI, 163; discovery, V, 235; exploration, IX, 165, XXI, 22; boundaries, XVII, 35, 37; as a boundary, X, 268, XIX, 53, 196, 240, XX, 238, 242, 249, 254, 299, XXII, 253, XXIV, 114, XXVII, 153, XXVIII, 108, 117, 120, 126, 131, 133, 134, 137, 138, 178, 284, XXIX, 293; early history, V, 257-259, XIV, 104; Spanish regime, V, 268-270; in United States, X, 268; becomes state, V, 254, IX, 209, X, 267, 268, XII, 311, XIII, 134, XIX, 64, XXI, 50; constitutional convention, XIX, 181, XXII, 235, XXVI, 10; legislature, XXII, 257, XXVI, 169; government, 281; governors, V, 153, 254, XI, 263, XIII, 129, 134, XVIII, 32, XIX, 181; capital, 60, XXII, 242, XXIV, 123; slavery in, XI, 166; agitation of, IX, 191-194, XII, 54; compromise, IX, 10, 192, XII, 308, 311; senators, XIX, 182, XXIX, 23, XXX, 162; lands, IX, 129, 187, XI, 204, XII, 16, XIII, 103, XIV, 163; Platte purchase, XXII, 253, XXVII, 227; quality of soil, VI, 163, XII, 13, XVII, 41, XX, 249; agriculture, V, 259, 260, 263, 264, 266, XIV, 149, XXVIII, 71, XXX, 33, 258; as a frontier, XVIII, 10, XX, 103, 283; roads, V, 52, X, 208, XIX, 197, 323, XX, 100, 109, 115, 150, XXVI, 263; population, V, 287, XIV, 158; emigration to, XI, 206, XIV, 158, XVII, 32, XVIII, 31, XXVI, 84; advantage for, V, 262, 263, IX, 187, 188, 191, XI, 147, XXX, 33, 34; settlements, V, 258, 259, IX, 11, XI, 238, XII, 69; railroads, XVIII, 32; towns, IV, 266, XVII, 39, XVIII, 32, XXI, 89, XXIX, 372 (see also the several towns); commerce, V, 97, VI, 163, XIX, 180, 339, XX, 133, 138, 204, 218, 223, 257, XXVI, 49 (see also Fur Trade, and Commerce: Santa Fé trade); character of population, VI, 13, XII, 69, XIV, 169, XX, 95, XXIV, 120, XXVII, 100; militia, X, 357, XIV, 172, XXIII, 198, XXVI, 281; in War of 1812-15, XVIII, 13; missions in, XXVI, 18, XXIX, 166; banks, XVII, 33; mechanics, XXVIII, 101; surveyor, XXVI, 272; cemetery, XXVII, 102; naturalist, XXVI, 282-284; Mormons, XX, 98, 99, XXVI, 358, XXVIII, 47, 51, XXIX, 371; Trappists, XXVI, 193; Indians, V, 90, XIV, 126, XX, 86, 294, XXI, 84, XXII, 96, 245, XXIV, 313, XXVIII, 138, 141, 142; crimes, XI, 298, XIII, 292, XX, 228, 236; Boones in, IV, 156, V, 43, XII, 212, XX, 213, XXVI, 281; other settlers, V, 252, VI, 48, XI, 170, XV, 174, XVIII, 11, XIX, 178, XXII, 85, XXVI, 31; traders, XIX, 14, 164, 173, XX, 92, 273, XXII, 250, 345, XXVII, 299; travellers, VIII, 311, XIII, 12, XIV, 17, XVIII, 122, XXI, 69, 128, 134, 138, 353, XXVI, 9; emigration from, XI, 204, XXX, 29, 124, 261; individual emigrants, XX, 98, XXIX, 280, XXX, 11, 49, 70, 142, 150, 151, 162, 163, 174, 190, 224; quarantine, XX, 204; geological survey *Report*, XXVI, 263; *Gazette*, V, 44, 198, 224-228, VI, 153, 293, XV, 238, XXVI, 105; *Gazetteer*, 169; *Harmony*, 362; *Intelligencer*, XIX, 174, 178, 337; *Missourian*, XXVI, 123; *Republican*, V, 198, XXVI, 272. See also Louisiana: Upper.

Missouri City, XXIV, 117.

Missouri, Kansas & Texas Railway, V, 52.

Missouri Pacific Railway, XXVI, 164.

Missouri Fur Company, organization, V, 97, VI, 27, XXVII, 136; partners, V, 96, 121, 153, 230, VI, 30, XIV, 269, XV, 246, XX, 108, XXII, 235, XXIII, 223; headquarters, V, 262, XXII, 232; employees, XIV, 274, 277, 283, 284, 287, XV, 257; posts, V, 99, 127, 137, 148, 156, 157, VI, 28, 29, 88, 132, XIV, 221, 285, XV, 109, XVII, 262, XVIII, 37, XXII, 266, 267, 302, 304, 317, 364, XXIX, 56; brigades, V, 44, 151, VI, 28, 99; relations with Astorians. 99, VII, 179, 180; with

- Indians, VI, 29, 82-84, 97, 98, 111-113, 116, 127, 138, XIV, 226, 270, XXIII, 224; grizzly-bear, XVI, 48, 49; dissolution, XXIII, 223; notes on, VI, 27, VII, 173; sketch, V, 262, XXII, 232.
- Missouri Indians, origin, V, 74, XVII, 156, XX, 297; kinship, XXIV, 223, 280, 285, XXVIII, 145, 146; described, XIV, 13, XV, 165, XXIV, 112, XXVI, 282-284; habitat, V, 56, 80, VI, 77, XV, 130, XVII, 150, XXII, 259; migrations, XV, 132, 133; population, XX, 341, XXVIII, 121; decrease, XX, 298; extinct, XIV, 200, XXII, 246, XXVI, 282; physical characteristics, XV, 41, 68-71, XVI, 271, XXIII, 255, 256; mental, XV, 33, 57, 134; traditions, 55, XXIV, 313, 314; language, XV, 135, XXII, 274, XXIII, 76, 255, 366; villages and lodges, VI, 164, XVI, 109, 273; food and dress, XXIII, 103, 192, 261, 263, 276; weapons, 119, 354, 358; diseases and remedies, V, 80, XXIII, 120, 266; dances, 112, 291; war on bears, XVI, 46; cannibalism, XIV, 304, XXIII, 278; tobacco among, XVI, 212, XXIII, 108; liquor, XIV, 269, XV, 49; other customs, V, 65, XIV, 239, 240, XV, 40, 41, 68, XXIII, 274, 320, 321, 345; geographical knowledge, XV, 75, 76; intertribal relations, XIV, 314, XVII, 157, XXIV, 111; with Arkansas, XVI, 211; Iowa, XIV, 266; Kansa, XV, 99, 102, XVII, 154; Kaskaia, XVI, 116; Osage, 272; Oto, V, 80, XIV, 266, XXIV, 112; Sauk and Foxes, XIV, 314-316, XV, 185, XXVIII, 141, 142; Sioux, XXVI, 291, 292; relation with whites, VI, 78, XXIII, 223, XXIV, 106; British, XVI, 279; Spanish, XV, 133; fur trade, XIV, 220, XV, 27; agents, XIV, 288, 314, XVII, 289; treaties, XIV, 236, 239, XV, 98-106, XXI, 122, XXIV, 315, 316; anecdotes, XV, 57-64.
- Missouriopolis (Mo.). See Jefferson City.
- Mistletoe, habitat, VIII, 318, XVI, 156, 164; Faux observes, XI, 213; Flint, IX, 152; Woods, X, 315; described, VIII, 318; *viscum flavescens*, XXII, 165; *verticillatum*, XIII, 57, 90.
- Mitchel, Thomas, in Charleston, XII, 74.
- Mitchell, —, trader, killed by Indians, XX, 134.
- Mitchell, Augustus, *Illinois in 1837*, XXVI, 247.
- Mitchell, Col. David D., with Maximilian, XXII, 314, XXIII, 24, 27, 54, 58, 62, 63; at Fort McKenzie, 85, 90, 125, 146-152, 168; Fort Pierre, XXII, 328; builds forts, XXIII, 90, 136-138, 166, 186; qualities of, 91, 135; relations with Sioux, 111, 137; with Grosventres, 70-74; with Blackfeet, 123-127, 132, 138, 141, 142, 146-153, 157-161, 163; presents from, 124-127, 133, 163, 166; presents to, 62, 132, 140, 156, 159; hunting, 32, 38, 40, 43, 45, 48, 57, 64, 169; illness, 154; acts as physician, 148, 166; displays fireworks, 156; aids Maximilian, 143, 164, 165; shipwrecked, 39, 139; succeeds Kipp, 91, 228; criticizes Catlin, 324; observes horns, 181; sketch, XXII, 314.
- Mitchell County (N. C.), Davenport in, III, 56.
- Mitchella*, allied to *symphoria glomerata*, XV, 219; observed by James, XVII, 43; *repens*, III, 90.
- Mitchill, Dr. Samuel L., scientist, III, 206, 275, IV, 121, XIV, 45, XV, 169, XVII, 46, 47, XXIV, 301; portrait painted, XII, 92; sketch, XVII, 46.
- Mnium ciliare*, abundant, XXII, 209.
- Mobile (Mouvill) Indians, XIII, 356, 357, 363, XXVII, 44.
- Mobile (Ala.), XXVII, 44; French in, XIII, 314; British, XXVII, 78; surrender, I, 147; becomes American, VIII, 312; yellow fever in, XII, 74; commerce, VIII, 293, 294, XIII, 314; population, XII, 75; individuals, I, 138, XXII, 139, XXIX, 233.
- Mocho Mano, Apache chief, XVIII, 117.
- Mocker-nut (*juglans tomentosa*), III, 127.
- Mocking-birds (*turdus polyglottus, orpheus*), noted, XIII, 221, XV, 277, 320, XVI, 26, 81, 172, XIX, 139, XXI, 187; habitat, X, 291, XXVI, 355.

Moco (Sumatra Island), trading-port, VIII, 30-33.

"Modeste," British war vessel, XXIX, 194, XXX, 202, 208.

Modnell Station (Ky.), A. Michaux in, III, 45, 51.

Mogg, Abnaquis chief, in Queen Anne's War, XXVII, 67-69.

Mohave Indians, on Colorado River, XVIII, 131; relations with whites, 133-136.

Mohawk (Fr. Agnier) Indians, II, 44, VIII, 127, XXIV, 163; habitat, I, 26, 167, 283, II, 202, VIII, 184, XXIV, 186; population, I, 31, 167, XXVIII, 131; migrations, II, 44; character, I, 303, 304, II, 61; village, XXIV, 187; language, II, 30, 36; manufactures, 72; land-grants, VIII, 89, XXIV, 187; English allies, I, 18, 30, 42, II, 54, 62, 204, VIII, 180, XXVII, 66, 67; mission to, II, 37-40, 47, 61, XXVII, 129; relations to French, I, 26, 31, 280; with Morris, 303, 307; adopt Weiser, 17; anecdote, II, 59, 60, 114, 211.

Mohawk & Albany Railway, XXIV, 188.

Mohican (Muhhekaneew) Indians, habitat, I, 24, 31, 167, 168, II, 41, 62; population, I, 31, 167, 168; language, II, 29; vocabulary, 250-252; missions for, I, 177; presents, 42.

Moingewena Indians, Illinois tribe, XXVI, 123.

Moingona, Illinois Indian village, XIV, 159.

Moki (Moqui) Indians. See Hopi.

Molasses, XXIV, 71; manufactured, VIII, 193, 327, XI, 47; made by Indians, XXVIII, 260; from pumpkins, X, 301; article of trade, VII, 161; supply, V, 299; scarce, XXIV, 76.

Molcaxac (Mex.), rock near, XVIII, 378.

Mole Alley (Molala) Indians, habitat, XXX, 178.

Moles (*scalops aquaticus*), observed by Long, XV, 317; in Indian folk lore, XXIII, 337; in Illinois, X, 290.

Molina, Giovanni Ignazio, sketch, XVI, 28.

Mollugo, iresine celosoides and *verticillata*, III, 43.

Mollusca, *cephalopod*, XIV, 66.

Monarda, observed by Long, XVI, 156; varieties, III, 29, XIII, 47, 199, XIV, 156.

Monckton, Gen. Robert, sketch, I, 103; in Martinique, 297.

Moncr  vier, Jean Baptiste, clerk, XXIII, 188.

Monedo (Munito), great spirit of Chippewa, XXIII, 192.

Monekagohha Indians, Omaha band, XV, 117.

Money, VIII, 132, 133; Indian word for, XXVIII, 171; abundance, VIII, 339, 341, IX, 220, XI, 199; scarcity, III, 203, 204, 269, IV, 106, IX, 130, 133, 135, 136, 219, 220, 236, 241, 269, 272, 273, X, 338, 342, XI, 33, 60, 81, 110, 116, 133, 146, 151, 161, 162, 177, 193, 214, 244, 266, XII, 18, 22, 62, 94, 109, 191, 302, XIII, 65, XXI, 193; as circulating medium, VIII, 133, XI, 324; payment, I, 27, XII, 70, XXX, 235, 263; lost, I, 190; restored, XII, 66; advanced to immigrants, 60; loaned, XI, 194, XX, 25; coins, III, 205, XX, 184, 185, 186; gold, I, 142, XX, 185, XXVII, 87 (see also Gold); silver, I, 142, IX, 74, X, 105, 207, 325, XV, 160, XVII, 33 (see also Silver), copper, IV, 188, 190, X, 188, 230, 236, XX, 185, 186 (see also Copper); coinage, IX, 222, XX, 184; bullion, IX, 222, XII, 320, XX, 88, 89, 163, 172, 184, 225, 227; transported, III, 204, XX, 179; mints, III, 51, XIX, 305, XXII, 64; counterfeiting, XIII, 295, 296, XVII, 29; spurious, IX, 230, 231, 271, 272; specie, IV, 107, VII, 37, IX, 223, X, 236, XI, 171, 223, XIII, 65, XVIII, 364, XIX, 182, XX, 88, 89, 133, 163, 172, 178, 225, 227, XXVI, 198; paper, IX, 222, 273, X, 187, 236, XI, 105, 171, 190, XII, 103, 274, 275, XX, 185; inflated value, XXVII, 49; depre-

ciated, IX, 132-136, 220, 221, 223, 225, 227, 229, 266-268, 273, 297, XI, 174, 207, XII, 112, 113, 119, 270, 274, XIII, 65, 114, XIX, 102; kinds of paper, IX, 13, 130, X, 324, XI, 114, 171; withdrawn from circulation, XII, 106, 116; specie resumed, 119; cut, IX, 131, 269, X, 230; bank-notes, III, 204, IV, 183, IX, 133, 219, 223, 241, X, 236, 325, XI, 223, XII, 274, 319, XIII, 65, 302, XVII, 33; state loans, XXII, 112; regulation, XXX, 303; foreign coins in the United States, I, 142, III, 123, IV, 107, VI, 218, VIII, 32, X, 188, 253, XII, 79, 320; comparative value, IX, 74, X, 187, XI, 124, 161, XII, 177, XVIII, 153, XIX, 272; Spanish system, XVIII, 153, XIX, 260, 272; Mexican, XVIII, 352, 353, 364, XIX, 346, XX, 185; ancient coins, VIII, 272; doubloons, XX, 185; eagle dollars, 145; eleven-penny bits, XII, 213; picayune, XXVI, 337; divisions, XVI, 187, 188; forged notes, XII, 83, 84; stocks and bonds, V, 305, XII, 121, XX, 305, XXII, 204; bills of exchange, VII, 244, 245, XXVII, 81; of credit, IX, 222; discount, X, 325, 331; substitutes for, I, 24, 25, IV, 252, VI, 326, VII, 109, 110, 277, XXVII, 54; cached, XIX, 185; investments, V, 307, 308, XI, 143, 218 (see also Lands); interest, X, 331, XI, 127, 162, XII, 94, 173, 174; capitalists, V, 307, 308, XI, 10, 143, 165, 285.

Monger, Asabel, in Wailatpu (Oregon), XXVIII, 333, 337.

Monguagon (Mich.). See Magagua.

Moniteau County (Mo.), boundary, XIV, 148.

Monk's Corner (S. C.), A. Michaux in, III, 53.

Monkey Face, Minitaree chief, XXIV, 69.

Monmouth (N. J.), battle of, IV, 54, VIII, 279.

Monongahela (Pa.), battle of, I, 82, 85, 95, 286.

"Monongahela Farmer," freight vessel, III, 338.

Monroe, Daniel, killed by Indians, XIX, 183.

Monroe, Harriet, *Cañon of Colorado*, XVIII, 137.

Monroe, President James, X, 343, 344, XI, 119, XII, 56; physiognomy, XI, 70; character, XII, 54; civility, 104; as a business man, 116; dress, XI, 69, 70; resources, 128, 152; tours, VIII, 79, IX, 172, 173, XI, 65; Hopwood entertains, X, 214; in Charleston, XI, 68; Columbia (S. C.), 90; dines with Law, XII, 96; Welby admires, XI, 15; recommends Choctaw removal, XX, 300; instructs Long, IX, 164; signs road bill, XIX, 182; encourages manufactures, XIII, 45; appointments, V, 36, XIX, 348, XXII, 282; letters to, VI, 11, XI, 120; town named for, X, 214; described, XII, 330; sketch, VIII, 79.

Monroe (Ill.), site, XXVI, 129.

Monroe (La.), called "Post of Washita," XIII, 147.

Monroe (Mich.), originally Frenchtown, VIII, 209.

Monroe (Pa.), described by Woods, X, 214.

Monroe County (Ill.), seat, XXVII, 104; Americans in, III, 71; Flagg, XXVII, 97.

Monroe County (Ind.), seat, XXII, 179.

Monroe County (Mich.), Rogers in, I, 113.

Monsay Indians, habitat, I, 167.

Montagnais Indians, habitat, II, 193, XXIX, 253, 254; sketch, II, 193, 194, XXIX, 253.

Montague, Lady Emily, English novelist, II, 13, 114.

Montagui, XV, 233.

Montaigne de la Prairie (Minn.), as a boundary, XXVIII, 152.

Montana, lake in, XXVII, 175; rivers, 146, XXIX, 203; Clark River, XXVII, 300; Flathead River,

MONTANA (continued)—

- VI, 348; Kootenai, 348, XXIX, 201, 202; Milk, XXIII, 46; mountains in, XXIX, 30; "bad lands," XXIII, 52, 53; boundary, XXVII, 175, 281, XXIX, 195; Blackfeet in, V, 225, XXIX, 218; Kutenai, XXIII, 154; Teton, V, 104; Indian reservations, 140, XXIX, 178; Crows, XV, 56; Flatheads, VI, 340, XXVII, 357; Fort Belknap, VI, 371; Fort Peck, V, 90; Kutenai Post, VII, 210; St. Mary's mission, XXIX, 134; pioneers, XXVII, 356; first mill, XXIX, 321; railways, 341; state capital, XXVII, 299; state flower, XXIX, 196; De Smet in, XXVI, 17; Ravalli, XXIX, 137; Ross, VII, 11; Specht, XXVII, 193; Historical Society *Contributions*, XXI, 73, XXII, 18, XXIII, 38, 39, 85, 91, 132, 147, 149, XXIV, 12, XXVII, 193, 299, XXIX, 233.
- Montcalm, Louis Joseph de St. Verran, marquis de, in French and Indian War, II, 48, IX, 328.
- Monteith, —, in Detroit, VIII, 218.
- Monterey, Count de, interest in exploration, XXVIII, 31.
- Monterey (Cal.), as a boundary, XVIII, 363; plants in, XV, 311, XVI, 93; harbor, VI, 390; roads, XVIII, 277; Spanish in, VI, 257, VII, 154, XVIII, 291; Echeandia, 228, 290, 298; Solis revolt, 16, 289, 290; Portata, 283; revolution, XXVIII, 13; missions, VI, 342, XVIII, 280, XXVIII, 13; merchants, XVIII, 291; Americans, 16, 297, 298; Bailey, XXI, 329; Bradshaw, XVIII, 252; Farnham, XXVIII, 13, 14; Frémont, XXX, 70; Pattie, XVIII, 281, 288, 299; Riley, XIX, 185; Willard, XVIII, 346, 361; described, 281, 361-363; sketch, 281.
- Montesano (Mississippi River), Cumming in, IV, 338, 343; sketch, 338, 339.
- Montesano (Wash.), seat, XXIX, 81.
- Montezuma, Pueblo chief, XX, 59; age of, XVIII, 372; descendants, XIX, 263, XX, 55; kindles holy fire, 57, 58.
- Montezuma (Ill.), site, XXVI, 129.
- Montezuma marshes (N. Y.), extent, XXIV, 179; sketch, 179.
- Montfort, —, conchologist, XIV, 46.
- Montgomery, —, on Arkansas River, XIII, 156.
- Montgomery, —, farmer, XI, 290.
- Montgomery, Gen. Richard, American commander, II, 54; relations with Morris, I, 297; buried in New York City, IX, 27, 28; sketch, 27; portrait, 161; *Biographical Notes*, II, 54.
- Montgomery, Thomas H., *University of Pennsylvania*, XII, 314.
- Montgomery (Ill.), site, XXVI, 129.
- Montgomery (Md.), Faux in, XII, 22.
- Montgomery County (Ark.), creek in, XVII, 53.
- Montgomery County (Ill.), seat, XXVI, 207; boundary line, 246.
- Montgomery County (Mo.), boundary, XIV, 132; creeks, XV, 174, XXI, 129, XXX, 32; organized, XXVI, 280; seat, XXII, 240; town, V, 43; townships, XXII, 240; immigration, XV, 174; travellers in, XIV, 131, 132, XXIV, 124.
- Montgomery County (N. Y.), Mohawk village in, XXIV, 187.
- Montgomeryville (Pa.), post station, XXII, 73.
- Monticello (Ill.), female seminary in, XXVI, 119.
- Monticello (Mo.), location, XIV, 159.
- Monticello (Va.), Jefferson's home, XI, 259; Bradbury in, V, 9, 25.
- Montigny, Ovid de, with Astorian expedition, VI, 191; on "Tonquin," 194; explores Columbia

- River, 242; Cowlitz River, 244, 245; on Point George, 250; expedition to interior, 254; on Okanagan River, 260, 345; with Stuart, VII, 154.
- Montour, Madame, IV, 222; captured by Indians, I, 27; on Loyalsock Creek, 189; sketch, 27.
- Montour, Andrew, Indian deputy and interpreter, I, 18, 27-29, 42, 63, 76-78, 91, 97; influence over Indians, 56; presents from Indians, 37; at Beaver Creek, 27; Fort Michillimackinac, 123; Logstown, 38, 53, 69, 73; Ohio valley, 92; Pennsboro (Pa.), 71; Pittsburg, 283, 285; Shannopin's Town, 74; sketch, 27.
- Montour, Henry, in Sawkung, I, 279; Carlisle (Pa.), 291.
- Montour, Lewis, Indian deputy, I, 77; sketch, 78.
- Montour, Nicholas, sketch, VII, 210.
- Montoursville (Pa.), location, I, 189.
- Montreal, as a boundary, XVII, 240; location, IX, 325; Indians near, I, 85, 169, II, 58, 61-69; in French and Indian War, 50; captured by English, 100; capitulation of, 104, 108, 114, 147; in Revolution, 54; War of 1812-15, IV, 245; fur trade at, II, 35, 38, 39, VI, 389, VII, 179, VIII, 230, XXIII, 25; Astorians, VII, 42, 174-177, 237; North West Company, VI, 254, 376, 388, VII, 101, 181, 247, 265; barbers, 76; emigrants, XXIX, 209; commerce affected by Erie Canal, VIII, 120; Amherst in, I, 112; Blanchet, XXVII, 319, 320, XXIX, 140; Blennerhassett, IV, 320; Boucher, I, 191; Decoigne, VI, 396; Flint, IX, 313; Franchère, VI, 13-15, 173, 177, 190, 191, 247, 389, 399; Henry, 313; Hunt, 268; Long, II, 9, 10, 35, 36, 53, 73, 191; MacKenzie, XVII, 236; McKenzie, VII, 181; Matthews, VI, 261; Pasteur, 16; Pritchard, 380; Pursh, XIV, 155, XXIII, 243; Robidoux, XXII, 257; Rogers, I, 101; Ross, VII, 40; Rowand, XXIX, 247; Selkirk, VI, 381; Stirling, I, 163; D. Stuart, VI, 391; R. Stuart, V, 224; Taché, XXIX, 255; Warre and Vavasour, 193; described, II, 35, IX, 326, 327; Place d'Arms, 327; Historical Society *Proceedings*, II, 117.
- Montrose (Iowa), site, XXVI, 138.
- Montville (Conn.), Indians in, VIII, 127.
- Monuments, attitude of Congress toward erection, XII, 128, 129; how erected, 125; at Nootka Sound, XXVIII, 33; North Point battle ground, XII, 290; Whitesborough (N. Y.), XXIV, 185; Bunker Hill, described, XXII, 46, 47; Clay, 146; Decatur, XII, 331; Franklin, XXVI, 325; Hidalgo, XX, 189; Lee, XXX, 181; Rasle, XXVII, 68; Ravalli, XXIX, 137.
- Mooney, Daniel, in Arkansas, XIII, 129.
- Mooney, James, *Ghost Dance Religion*, XXVIII, 268.
- Moore, —, landlady, XI, 200.
- Moore, Dr. —, in Camp Missouri, XIV, 283.
- Moore, Anthony, on Nolichucky River, III, 57.
- Moore, Sir Henry, governor of New York, I, 313.
- Moore, James, settles American Bottom, XIX, 62; erects blockhouse, XXVII, 105.
- Moore, Col. John, chastises Comanche, XX, 349.
- Moore, Robert, establishes ferry, XXX, 163; sketch, 162, 163.
- Moore, Thomas, quoted, IX, 44, XXVI, 325, 338.
- Moorhead, —, lead-mine proprietor, V, 253.
- Moose (*cervus alces*, "originals"), habitat, II, 76, 77, III, 327, XXIII, 46, 203, XXVII, 39, XXIX, 209, 266; vigilance of, XXVII, 334, XXIX, 213; food, XXVIII, 159; abundant, XXIX, 250, 253; hunted, VI, 361, 365, XXIV, 234, XXIX, 257; as food, II, 157, XXIX, 210; hair, Indian shoes of, XXVIII, 157.

Moqui Indians. See Hopi.

Mora (N. Mex.), attacked by Warfield, XX, 229; sketch, 229, 230; burned by American troops, XIX, 252.

Mora County (Kans.), boundary line, XIX, 249.

Mora County (N. Mex.), seat, XX, 229; creek in, 89.

Moraga, —, expedition to San Francisco, XVIII, 283.

Moravians, tenets of, XXVI, 67; synod, XXII, 85; led by Whitefield, 77; establish theological school, 85; found Gnadenhütten, 124; in Bethlehem (Pa.), I, 185, XXII, 13, 72, XXV, 3; Lancaster (Pa.), IV, 31; Nazareth (Pa.), XXII, 85; Philadelphia, IX, 55; Yorktown (Pa.), III, 370; Ohio, I, 130, 181; Pennsylvania, 19, 177, 187, 189, XXIV, 156, 157; missions among Indians, I, 85, 211, 235, XIII, 260, XVI, 47, XX, 288, XXII, 124, XXIV, 154; missionaries, I, 179, IX, 105, XXVIII, 138; massacre of, I, 87, 128, XXII, 124, 125; *Moravians and their Festival*, I, 185.

Moraviantown (Pa.), location, VIII, 227.

More, George, illness, XXI, 61, 62; accident, 73; killed by Indians, 61, 72, 74; deserts Wyeth, 67.

Moreau, —, river named for, V, 127, XXII, 335.

Morgan, —, Ohio River farmer, IV, 120.

Morgan, —, slave-trader, XI, 166, 167.

Morgan Brothers, settle Morgantown, III, 162.

Morgan, Alexander G., fur-trader, XXIV, 114.

Morgan, Gen. Daniel, in North Carolina, III, 55; in Revolution, IV, 311.

Morgan, Col. George, Indian agent, I, 51; in New Madrid (Mo.), IV, 282; justice, XXVII, 79; memorial of, 47; papers, I, 126; sketch, IV, 240.

Morgan, H. H., and Bryant, W. M., *Art and Artists*, XXVI, 168.

Morgan, L. H., *American Aborigines*, XXIII, 270; *League of Iroquois*, 321.

Morgan, Col. Willoughby, Indian commissioner, XXIV, 315; commands Fort Harrison, XIX, 69; with Long, XIV, 178; on Isle au Vache, 210; at Engineer Cantonment, 230; island named for, XXII, 260; sketch, XIV, 178, 179.

Morgan County (Ill.), prairie in, XXVI, 303; seat, 306; prospects, 302; population, 303.

Morgantown (N. C.), character of soil, III, 293; roads, 102; Curtis in, 102; A. Michaux, 55, 100, 104; F. A. Michaux, 285, 289; sketch, 290.

Morgantown (W. Va.), situation, III, 162; road, IV, 236; Eckerlin in, I, 62; Musgrave, IV, 233; population, III, 162, 290, 335; sketch, 162, 335.

Morganza (Pa.), Morgan in, IV, 240.

Morice, Father Adrian G., missionary, XXIX, 232, 277; *Carrier Sociology and Mythology*, 253; *Northern Interior of British Columbia*, 54, 58, 277; *Western Dénés*, 182.

Morigeau, —, Canadian emigrant, XXIX, 209-211.

Morin, —, French "patron," V, 207, 208.

Morley (B. C.), Indians near, XXIX, 221.

Mormons, origin, rise, and progress, XXVI, 356, 359; early history, XX, 99, XXIX, 371; revelation to prophets, XX, 95, XXIV, 120, XXVI, 335-338; doctrines, XXIV, 120; rules of action, XXVIII, 48; tenets, XXVI, 334, 335; absurdity of, 338; immorality, XX, 94; insolence, 95; dissensions, 99; missionaries, XXVI, 358; converts, 13, 356, 358; population, XXIX, 371; migration, XIX, 189, XXVI, 334, XXIX, 371, 372; emigrant wagon described, XXX, 257;

- settlements, XXVIII, 18, XXIX, 371, 372; at Fort Bridger, XXX, 74; Independence (Mo.), XIX, 189, XX, 93-97; ejected from, XXI, 139, 140, XXVIII, 47-51; in Liberty (Mo.), XXII, 249; Mount Zion (Mo.), XXVI, 356; Ohio, XX, 96, XXVI, 358; persecutions of, XXIV, 119, 120, XXVI, 338, XXIX, 370-372; *Book of Mormon*, XXIV, 120, XXVI, 356, XXVIII, 51, 52; bibliography, XXVI, 335.
- Morrell, Capt. Benjamin, *Narrative of Four Voyages*, cited, XXII, 44.
- Morrin, Henry, hunting, XXIII, 55, 170, 171, 174, 176-178, 180, 184, 185, 209, 215; marksmanship, 47, 142; pilot, 39, 167, 180, 206, 213.
- Morris, —, tavern-keeper, XII, 283.
- Morris, —, architect, IV, 219.
- Morris, Lewis, in New Jersey, I, 84.
- Morris, Robert, home on Schuylkill, IV, 29; purchases lands, VIII, 42.
- Morris, Robert Hunter, governor of Pennsylvania, I, 83, 84, 88, 97.
- Morris, Capt. Thomas, captured by Pontiac, I, 304, 314, 315; escapes from Indians, 308; purchases horse, 309; on horseback, 321, 324; escort, 303, 304, 309; present to Paccane, 317; *Journal*, 51, 123, 295-328; scope, 12, 13; importance, 295; *Life of Williams*, 298; *Miscellanies*, 295, 298, 299; *Quashy*, 298; *Songs*, 298; portrait, 4; sketch, 13, 295-300.
- Morris, Thomas A., at Graham's Station, IV, 151.
- Morris Canal & Banking Company, charter, XXII, 90.
- Morris County (Kans.), Diamond Springs in, XIX, 204; seat, 198.
- Morrison, —, on Arkansas River, XIII, 135, 290.
- Morrison, —, tavern-keeper, IV, 232.
- Morrison, Col. James, in Lexington (Ky.), X, 66.
- Morrison, William, merchant, XIX, 174.
- Morrison County (Minn.), river in, XXVIII, 152.
- Morristown (Ohio), Cuming in, IV, 231, 232; Faux, XI, 172; sketch, 172.
- Morrow County (Oregon), drainage, XXX, 117.
- Morse, F., in New Haven (Conn.), XII, 76, 79.
- Morse, Jedidiah, geographer, XII, 74; Indian agent, XV, 211, XXIV, 183; interest in Indian history, XXII, 70; estimate of Blackfeet, XXIII, 96; Cheyenne, XXII, 333; Foxes, 226; Mandan, XXIII, 255; Ponca, XXII, 284; Shawnee, 200, 201; *American Gazetteer*, IX, 316; *North American Atlas*, XIX, 166; *Report on Indian Affairs*, VII, 230, XII, 50, XXII, 201, XXIII, 90, 122, 255, 288, 289; *Universal Geography*, XXVI, 146; sketch, XII, 50.
- Morse & Company, in New York city, XII, 75.
- Mortar, XXVI, 269; how made, X, 191, XI, 297, XIX, 335, XXVIII, 357; quality, XI, 264.
- Morton, J., in Wheeling, XIX, 32.
- Morton, Samuel George, collection of skulls, XXIV, 191; *Cretaceous Groups*, XXIII, 60, 242; sketch, XXIV, 191.
- Morton County (N. Dak.), drainage, XXII, 338.
- Morus rubra*, III, 212.
- Moscow (Ohio), sketch, XXII, 155.
- Mosely, —, in Arkansas, XIII, 110, 290.

Moser, —, botanist, XXII, 100; observes rattlesnake, 101.

Moses, baptismal name for Stietiedloodsho, XXIX, 174, 330.

Mosquito Hawks. See Locusts.

Mosquitoes, I, 189, 309, III, 157, IV, 119; resemble wood-ticks, XVI, 153; size, VIII, 305; eaten by mosquito hawks, XI, 158; habitat, V, 157; in Baton Rouge, IV, 340; Charleston (S. C.), XII, 74; on Mississippi River, IV, 284, 287, 291, 295, 299-302, 304, 350, 369; Missouri River, XV, 138; Ohio River, IV, 119, 120; Washington (D. C.), XII, 87; abundant, 99, XIII, 229, 230, 276, 338, XIV, 93, XV, 185, 199, XVIII, 308, XXVI, 79, 80; scarce, IX, 302, X, 67, 258, 259, 337, XIII, 212, 220, 245, XIV, 132; troublesome, V, 143, 153, 155, 167, 168, VI, 55, 109, 132, 367, 376, 378, 383, VIII, 256, 308, 313, X, 93, 244, 245, 252, XI, 68, 90, 95, 247, XIII, 17, 128, 205, XVI, 52, 64, 125, 213, 288, XXI, 56, XXII, 299, 385, XXIII, 30-32, 36-38, 50, 51, 57, 86, 238, 251, XXVIII, 105, 276, XXX, 255; cattle troubled by, III, 299, VIII, 331; poisonous, XI, 104; method of protection, VIII, 313; nets, 89, XIII, 255; described by De Smet, XXVII, 259; Farnham, XXVIII, 77; personated by Indians, XXIII, 116.

Mosses, habitat, VIII, 317; uses, 318, XXIII, 103; as food, XXVII, 363, XXVIII, 159; as fodder, XXIX, 253; abundant, XXII, 103, 135, 136, 190, 202, 249, XXIV, 109, XXVI, 182, 320, 365, XXVII, 334; varieties, XXII, 93; bearded, 52; black, 104; hanging, XI, 89; lemon-colored, XXIII, 103; pine, VI, 346, 347; Spanish, XVII, 129; *evernia vulpina*, XXIX, 197; *tillandsia*, XIII, 76, 296, 299.

Moths, habitat, XXII, 171; absent from Upper Missouri, XXIII, 12; *acarus destructor*, XXII, 187; *anthrinus muscorum*, 187; *dermestes lardarius* and *vulpinus*, 187; *necrobia violetia*, 187; *phalæna sarcitella*, 187.

Mouflons, resemblance to antelopes, XX, 277.

Moulton, Capt. —, expedition against Abnauquis, XXVII, 66.

Mounds (natural), described, XVI, 290; fossils on, 30; in Colorado, 75.

Moundville (Ohio), location, IV, 116.

Moundville (W. Va.), location, XIII, 52; founded, III, 360.

Mount Auburn (Mass.), site, XXI, 23.

Mount Bethel (Pa.), Germans in, XXII, 97.

Mount Braddock (Pa.), Gist's settlement, I, 91.

Mount Carmel (Ill.), origin of name, X, 329; railroad to Alton, XXVI, 120.

Mount Eagle, country-seat, XII, 123.

Mount Meridian (Ind.), Palmer in, XXX, 31.

Mount Pleasant (Ind.), post-station, XXIV, 139; inns, 140; sketch, 139.

Mount Pleasant (Pa.), Harris in, III, 327, 371.

Mount Prairie (Ark.), on Saline Creek, XIII, 147; size, XVII, 127; road, XIII, 145; sketch, 147.

Mount Rock (Pa.), Harris in, III, 370.

Mount Sterling (Ky.), prices in, IX, 135.

Mount Vernon (Ill.), Flag in, XXVI, 12, 362, 364, 365; sketch, 364.

Mount Vernon (Ind.), river port, XXII, 203; first settlers, 177; negroes, 201; Maximilian, 161, XXIV, 132; described, XXII, 199, 200.

Mount Vernon (Ky.), location, XXVI, 65.

Mount Vernon (Ohio), sketch, IX, 306.

Mount Vernon (Va.), Washington's home, XII, 102, 130, 131; Bird in, IV, 198; Fairfax, XII, 131; Faux, 116, 123-131; Parkinson, XI, 126.

Mount Zion (Mo.), emigration to, XXVI, 334, 336, 338, 356, 357.

Mountain, James, Pittsburg lawyer, IV, 79, 83.

MOUNTAINS—

Ranges

Adirondack, Joseph Bonaparte on, XXII, 66.

Alaskan, height, XXIX, 29; peaks, 32.

Alleghany, XVII, 231; as a boundary, I, 73, III, 148, 194, 272, 280, V, 271-273, VIII, 299, IX, 96, 210, X, 227, XII, 188, 312, XIV, 65, 67, 69, 93, XVI, 141, XVII, 93, 103, 105, 107, 136, 175, 188, 234, 240, 241, XIX, 36, 83, XXII, 81, 96, 136, 149, 151, 161, 165, 185, XXVI, 70, 279, XXVII, 27, 33; location, VIII, 312; trend, V, 273, XVII, 177, 217; elevation, IV, 68, XVII, 244, XXII, 134; height, III, 288, IX, 79, XIII, 209, XIV, 53; ranges, III, 222, XXII, 100; watershed, III, 287, XXII, 132; river source, III, 161, 163, 165, 182, 271, 296, 297, 324, VIII, 262, X, 229, XIV, 44, 50, 51, 54, XXVI, 109; geological formation, XIII, 148, XIV, 49-55, XVII, 200, 227, 237, 243, 244, 246-255; primitive rocks, IX, 122; sandstone, XVI, 164, XVII, 43, 58, 203, 223, 252; coal, VIII, 248, XIV, 58, XVII, 188, XXVI, 171, 256; quality of, V, 276; climate, 256, IX, 95; snow on, XII, 21, XXVI, 265; tornado, IX, 246; country described, X, 36, XVII, 105-107; scenery, XIV, 54; vegetation, XVII, 43; forests, XIII, 208, 212, XIV, 48; trees, III, 288, XIV, 57, XVII, 116; plants, X, 207, XIV, 61; birds, XV, 327; catamounts, VIII, 52; fossils, XV, 287; as a highway, XIX, 27; gaps in, XII, 71; roads, III, 319, 328, IX, 64, 76, 77, X, 208, 353, XII, 195, XXX, 195; transportation over, V, 277, VIII, 249; Indians on, XIII, 176, XXI, 76; Boone, XXVI, 231; Bradbury, V, 272; Burau, III, 184; Cumming, IV, 68; Faux, XI, 165, XII, 21; Flint, IX, 75; Harris, III, 313, 319, 326, 365-368, 371; Hulme, X, 81; Maximilian, XXII, 87, 91, 134; A. Michaux, III, 28, 48; F. A. Michaux, 146, 147, 283; Post, I, 241, 289; Spotswood, XXVI, 216, 217; Weiser, I, 23, 44; Wyeth, XXI, 35; Asiatics on, XIX, 92; Braddock's grave, XI, 166; taverns, X, 208, XIII, 41; population, III, 289; as a frontier, XXX, 18, 19; described, III, 286-289, 319, 328, 329, IV, 46, IX, 75, 76, X, 35, XIII, 41, XIV, 46-50, 52, XVII, 188, 246, XXII, 135, 136; compared with Ozark, XVII, 217.

Anahuac, meaning of term, XXVIII, 116, XXIX, 28; location, XXVIII, 304; trend, 280; base, 116, 197; snow on, 209; rivers, 223, 306; as boundary, 303; Farnham sees, 213, 218, 219, 226, 237, 283, 284; described, 197, 227.

Andes. See Rocky, below.

Antelope Hills, location, XVI, 133; Dry River near, 130.

Anthony, location, VIII, 116.

Appalachian, origin of name, XIII, 357; compared with Rocky, VI, 359; described by Wyeth, XXI, 37.

Arrow Rock (Pierre à flèche), flint on, XXII, 244.

Ash Ridge, in Kentucky, IV, 180.

Auvergne, fletz trap on, XVII, 210.

Bald Eagle Hills, described by Maximilian, XXII, 340.

Bald Hills, location, XIV, 217.

Baldy, as a boundary, XXIII, 71.

Barn. See Magazine, below.

Bay's, gaps in, III, 58.

MOUNTAINS: *Ranges* (continued)—

Bear Paw, watershed, XXIII, 69, 82; rivers, XXIX, 366; Indians, XXIII, 153; Mitchell sees, 57, 138; sketch, 83, 166.

Bear River Divide, described by Farnham, XXVIII, 288, 289; by Palmer, XXX, 76-79.

Berkshire, Captain Boucher in, I, 191.

Big Belt, XXIII, 58.

Big Cove (Pa.), IV, 51.

Big Hill, trail, XXX, 77.

Big Horn, watershed, XXIV, 103; river, XXVII, 146; Crow Indians on, V, 226, 229.

Bijoux Hills, origin of name, XXII, 301; Maximilian on, XXIV, 95; sketch, XXII, 301.

Bitter Root (Pointed Heart), watershed, VII, 211, XVIII, 142, XXIX, 79, 174, 290; divide, XXVII, 332; cross planted, 380; described, 334, XXIX, 307-309.

Black, watershed, VI, 155.

Black Hills (La Côte Noire), as a boundary, XV, 75, XVIII, 376, XXII, 305, XXIV, 90, XXVII, 213, XXVIII, 108, 109, 153; origin of name, XXVII, 162, XXVIII, 187; character of, XVII, 189, XXI, 236; geological formation, XXIII, 77; watershed, XVII, 193, XXII, 291, 315, 338, 367; rivers, V, 126, XV, 252, XXI, 54, XXX, 65; winds, XXVII, 257, 258; flowers, 254; botanical specimens, XXIII, 244; animals, XIV, 291, XXIII, 215, 245, 346; trails, XXVIII, 112; Indians, V, 104, 139, XV, 157, XXI, 150, XXII, 333, XXIII, 246, XXVII, 161; free trappers, XXI, 181; Maximilian, XXIII, 54; Palmer, XXX, 62; Townsend, XXI, 191; Wyeth, 52; described, XV, 252, XVII, 177, XXI, 52, 182, XXIII, 244, XXVII, 159, 212.

Blacklog, game on, XXII, 133.

Blacksnake Hills, described by Maximilian, XXII, 257; Maximilian on, XXIV, 111; trading-post, 121.

Blue, as a boundary, XIX, 31, XXVI, 357, XXVIII, 310, 318, 341, XXIX, 45, 73, 79, 288, XXX, 108, 114, 283; location, XXIX, 31, XXX, 281; trend, XXIX, 74; divide, XXX, 242; streams, VII, 135, XXI, 268, 357, XXVIII, 324, XXIX, 77, XXX, 232; country described, XXIX, 185; snow on, XXVIII, 229, 259, XXX, 240; vegetation, XXIX, 46; yellow pine, XXVIII, 337; sunrise, 345; mill, XXX, 241; road, 13, 109, 110, 246; rendezvous, XXVIII, 341; transportation, 322; Indians, VII, 269, XXX, 108; Astorians, VII, 240; Farnham, XXVIII, 12, 326; McKenzie, VII, 184; Stuart, 223; Townsend, XXI, 15, 347; Wyeth, XXIX, 184; described, XXI, 273, XXVIII, 215, 216, 316, 326-328, 330, XXIX, 32, 74, XXX, 104, 110; sketch, XXI, 273.

Blue Ridge, III, 319, 320, X, 35; chains, XXII, 100; height, XIII, 226, XXII, 97, 109; divide, III, 287; geological formation, XIV, 52, XVII, 249, 253; quality of soil, VIII, 262; roads, III, 285, 286, 320; Faux on, XI, 147, XII, 22; Harris, III, 369; Maximilian, XXII, 97, 126; A. Michaux, III, 57; F. A. Michaux, 141, 285; Post, I, 188, 190; Spotswood, XXVI, 216; Woods, X, 201; described, IV, 37, 38, 40, 46, 51, 52, 54, XIII, 39, 212, XXII, 91-93.

Broad, described by Maximilian, XXII, 117.

Brocksberg, named by Germans, XXII, 116.

Burnt River, described by Palmer, XXX, 102; stream on, 101; Townsend sees, XXI, 266.

California, as a boundary, XXX, 283; rivers on, XXVIII, 113; trail, 113; described by Palmer, XXX, 190, 191.

Canadian Rockies, sienite on, XIII, 52; sketch map, XXIX, 212.

Carolina, explored, III, 12, 53.

Cascade (President's Range), XXX, 110, 206; as a boundary, XXVIII, 367, XXIX, 14, 45, 47, 48,

50, 73, 87, XXX, 114, 162, 180, 182, 190, 191, 216, 283, 296; named, XXVIII, 305, XXIX, 33-35; trend, 35; geological formation, XXX, 131; watershed, XXIX, 49, 79, 82, 89; streams, VII, 141, 231, XXI, 320, XXIX, 46, 81, XXX, 118, 184; divide, VII, 131, XXX, 130; forests, XXIX, 46; pass, XXX, 183; peaks, VI, 246, 248, XXVIII, 356, XXIX, 33, 184; height, 35; plateaus, XXX, 185; spurs, XXIX, 76, 86, XXX, 191; roads, 13, 88, 212; trails, XXIX, 184, XXX, 142; rainy season, 262; snow, XXVIII, 356, 372, XXIX, 64, XXX, 223; Indians on, XXI, 302; Barlow, XXX, 14; De Smet, XXIX, 281; described, XXVIII, 305, XXIX, 32, 35, 73, XXX, 126-156, 183-185.

Castete, formation, XVII, 225.

Casper range, observed by Townsend, XXI, 183.

Catskill (Catsberg), location, V, 273; formation, XVII, 250, 254; limestone on, XIV, 66, XVII, 245; sandstone, 223; beauty of, XXVI, 53; outlines, XXII, 91; compared with Columbia River, XXX, 206; described, XXIV, 190.

Cavaniol, formation, XVII, 225; visible from Fort Smith, XVI, 188; Long observes, 183; described, XIII, 200, 205, 207, 208, 228-230; view, 203.

Chattahoochee, formation, XVII, 222, 225; White River on, 26; settlements, 28, 308; described, 25.

Chestnut Ridge, rivers, III, 340; gap, XXII, 137; road, I, 22; Flint on, IX, 79; Harris, III, 327, 364, 372; F. A. Michaux, 152; population, XIII, 44; described, IV, 73, XII, 195, XIII, 43, 44, XIV, 53-55, XXII, 137.

Cheyenne (La Butte au Grès), as a boundary, XVI, 20; Long on, XV, 310; described, XXII, 337.

Chippewyan. See Rocky, below.

Chotocton, XI, 147.

Claset. See Olympic, below.

Coast Range, as a boundary, XXX, 169, 190, 191, 215; plateau, 185; spur, 191; timber on, 191; snow, 221; watershed, XXIX, 49, XXX, 168-170; roads, 195; agriculture, 195; described, 167, 171, 175, 176; sketch, 167.

Colorado, described by Farnham, XXVIII, 15; Farnham's party on, 12.

Cordilleras. See Rocky, below.

Cove. See North, below.

Culebra Range, source of Purgatory Creek, XVI, 74.

Cumberland, III, 228; as a boundary, 280, 282; location, 259; trend, 272; height, IV, 68; rivers, VIII, 262, 263, 276; spurs, XIV, 91; watershed, XIX, 94; roads, III, 261, 274; A. Michaux on, 60, 96.

Cushetunk, source of Schuylkill River, IV, 28.

Dallas, described by Harris, III, 324, 325.

Devil's Bedstead, Wyeth on, XXI, 242.

Don Carlos, location, XIX, 241.

Dry Ridge, Harris on, III, 366.

Elk, described by De Smet, XXIX, 345.

Elk Head, river on, XXVIII, 247.

Enchanted, human footprints on, XXVI, 146.

Eutaw, Indian camp on, XXVIII, 166.

Flatbow, lake on, XXIX, 271.

MOUNTAINS: *Ranges* (continued)—

- Front Range. See Long's Range, below.
- Galley, Cherokee settlement on, XIII, 172; Nuttall on, 173.
- Gascon, unidentified, XIII, 195.
- Goose Creek, location, XXX, 91.
- La Grande Côte, described by Farnham, XXIX, 42.
- Great Cordilleras, base, XXVIII, 184. See also Rocky, below.
- Great Glaciere, described by De Smet, XXIX, 256, 260, 261.
- Great Main, observed by Farnham, XXVIII, 198; height, 190.
- Green, as a boundary, VIII, 179; storms on, XXVIII, 195; Evans on, VIII, 111, 115, 116.
- Green River, described, XXVIII, 283, 284, XXX, 75, 76; sketch, 76.
- Greenhorn, location, XVI, 52.
- Hellebergh, limestone on, XIV, 66, XVII, 245.
- Highwood, described, XXIII, 83; altitude, 83; viewed by Maximilian, 138.
- Huerfano. See Wet, below.
- Iron, location, XXVI, 97; railroad, 171.
- Klamath (Klamet), as a boundary, XXIX, 72, XXX, 191, 192; direction, XXIX, 74, 77.
- Knobs. See Silver Creek, below.
- Laramie, watershed, XXVII, 160.
- Laurel, III, 161, 272, IV, 72, 74, 91; as a boundary, III, 222; origin of name, XIII, 42; geological formation, 43, XIV, 53, 54; rivers, III, 340, VIII, 254, 262; rattlesnakes, IX, 78; roads, I, 22, XII, 195; Harris on, III, 326, 327, 364, 371, 372; F. A. Michaux, 148; Nuttall, XIII, 42; Post, I, 242, 289; Woods, X, 213; described, III, 148, IX, 78, 79, X, 213, XII, 21, XXII, 137; thermometrical observations, III, 375.
- Lehigh, connected with Oli, XXII, 130; timber on, 81; hunting, 82.
- Lineville, A. Michaux on, III, 56.
- Little Belt, as a boundary, XXIII, 70; De Smet on, XXIX, 350.
- Little John (Petit Jean), described by Nuttall, XIII, 171.
- Little Rocky, XXIII, 57, 63, 66, 83; sketch, 63.
- Long's (Front) Range, Grand River on, XXVIII, 306; pass, XXIX, 30; described, XXVIII, 184, 304.
- Lost River, described by Townsend, XXI, 236, 237, 239.
- Maclure, location, XIV, 48.
- Magazine (Barn), described by Nuttall, XIII, 174, 183, 195; formation, XVII, 225; elevation, XIII, 178; view, 185.
- Mamelle, location, XIII, 148; formation, XVII, 225; geology, XXVI, 275; height, XIII, 155; terminus of highlands, XXVI, 277; described, XIII, 171, 178, 288, XXVI, 272; sketch, XIII, 148; views, 153, 159.
- Manzano, silver mines on, XIX, 310.
- Masserne (Mazern). See Ozark, below.
- Medicine Bow, as a boundary, XV, 235.
- Medicine Butte, described by Maximilian, XXII, 313.

Medicine Knoll, location, XXII, 313.

Mexican. See Rocky, below.

Mimbres, as a boundary, XVIII, 171.

Missouri River, compared with Swiss, XXIII, 66.

Muscleshell, view, XXIX, 337.

Navaho, San Juan River near, XVIII, 139.

Nesqually, as a boundary, XXX, 283.

New England, elevation, XVII, 188.

New Lebanon, formation, XVII, 248.

North (Cove), geological formation, XIV, 52, XVII, 249, 252; as a boundary, X, 35, XII, 92; rivers, VIII, 263; roads, IX, 69, 70, XII, 192, 195; Harris, III, 367; F. A. Michaux on, 143; Nuttall, XIII, 37-41. See also Blue Ridge and Little Rocky, above.

Ocooch, connected with Wisconsin Hills, XVII, 177; described, 110.

Ohio, described, III, 174.

Oli, described by Maximilian, XXII, 130.

Olympic (Claset), watershed, XXIX, 81; described by Wilkes, 74; sketch, 74.

Ozark (Aux Arcs, Masserne, Mazern), as a boundary, XVII, 238; names, XIII, 209, XVII, 12, 216; location, XIII, 155, XVII, 190, 234, XX, 238; trend, XVII, 190; elevation, 16; spurs, XXVII, 110; geological formation, XVII, 52, 188-190, 192, 215-246; metals, 231; minerals, 232, XX, 242; mines, XVII, 221; watershed, 26, 36, 37, 59, 60, 77; river source, XIII, 172, XIV, 144, XVII, 78; hot springs, 44; swamps, 38; country described, 189; quality of soil, 29; timber on, 223; earthquakes, 242; emigrants, XIII, 213; Long, XVI, 163; Nuttall, XIII, 209; described, 209, XVII, 16, 78, 176, 177, XXVII, 212; compared with Alleghanies, XVII, 188.

Park Range, as a boundary, XV, 235; Pike's expedition on, XVI, 34; described by Farnham, XXVIII, 226.

Pend d'Oreille, lake on, XXIX, 271.

Piasa, location, XIV, 101.

Pointed Heart. See Bitter Root, above.

Polk County Hills, described by Palmer, XXX, 172, 173.

Poteau, described by Nuttall, XIII, 200, 201, 209, 210, 225.

President's Range. See Cascade, above.

Rabbit Ear, described by Gregg, XIX, 234.

Raton, watershed, XVI, 80; spurs, XIX, 249; Santa Fé trail on, XVI, 63.

Rocky, extent, XXIX, 28, XXX, 283; trend, XVII, 188, 194; various names for, VI, 360, XVII, 148-150, XXVIII, 198, XXIX, 28; relative distances of, V, 240, XVII, 189, 231, XX, 187, XXI, 101, XXIII, 92, 244, XXIX, 35; geological formation, XV, 241, 242, 285-288, 291, 300-303, 306, XVI, 164, XVII, 193-198, 210, 211, 214, 217, 224, 239, 240, 244, XVIII, 340, XXI, 202, XXVIII, 205, 219, 220, 238; topography, XV, 273, XXVI, 18; descriptions of, VI, 154, 155, XV, 309, XVI, 20, 21, 58-60, XVII, 132-136, 148-150, 187, 189, 236, 237, XVIII, 96, 97, 140, 336, 337, 340, 341, 349, XXI, 58, 59, 62, XXIII, 166, XXVII, 159, 162, 212-216, XXVIII, 185, 189, 196-200, 303-306, 324, 325, XXIX, 29-32, 42, 217, 225, 246, 258, 263-266; views of, XIV, 14, XV, 269, XVI, 75, XX, 141, XXIII, 66, 138, XXVII, 4, XXVIII, 198; scenery, XVI, 78, XXI, 39, XXIII, 172, XXVI, 18; atmosphere, XVI, 117, XVII, 84; storms in, XVI, 131, XXVIII, 195, 196; snow, XVI, 16, 18, 19, 24, 33, XVIII, 136, 140, XIX, 243, XXVI, 265, XXVIII, 375,

MOUNTAINS: *Ranges* (continued)—

XXIX, 40; height, VI, 359, XVII, 180, 188, 198, XIX, 286, XXI, 52, XXVII, 175, 213, 253, 349, 350, XXIX, 29; ranges, VI, 350, XXI, 184, XXVIII, 111, XXIX, 290; cañons, XXVI, 267, XXVIII, 208 (see also Cañons); spurs, XX, 161, XXIX, 74; as a boundary, V, 56, 235, VII, 194, IX, 192, X, 268, XIV, 37, 93, 212, XV, 188, 189, 278, XVI, 174, XVII, 93, 103, 132, 136, 140, 145, 148, 175, 177, 180, 182, 190, 217, 235, 238, 240, 244, XVIII, 329, 348, XIX, 278, XX, 238, 239, 257, 291, 299, 319, XXI, 22, 50, 79, 104, XXII, 219, 300, 305, 352, 357, 382, XXIII, 132, 359, XXVI, 347, XXVII, 165, 385, XXVIII, 29, 108, 109, 117, 321, XXIX, 28, 53, 58, 63, 72-74, 98, 115, 145, 146, 171, 182, 205, 216, 229, 232, 234, 236, 239, 243, 287, 288, XXX, 186, 215, 216; a barrier to commerce, XXI, 10; as a divide, VII, 11, XXI, 60, XXVII, 281, XXVIII, 196, 215, XXIX, 215, XXX, 71; watershed, XVI, 149, XVII, 136, XVIII, 143, XXII, 338, XXVII, 156, XXVIII, 110, 223, XXIX, 38, 41, 78-80, 212, 218, 263, 271, 340, 341; rivers rising in, VI, 351, XIV, 48, 173, XV, 235, 260, XVII, 239, 256, XIX, 173, 281, XX, 213, 251, XXI, 50, 54, XXVI, 109, 264, XXVII, 224, XXIX, 36, 251; character of soil, XVII, 35, XXI, 67; plains near, V, 239, VII, 114, XV, 251, 312, XVII, 191; minerals found in, XVI, 67, XVII, 192, 199-206, 209, 214-216, 223, 231, 245, XXIII, 100, 108, 158; salt, XVII, 213, 214; mines, XX, 178, 243; vegetation, XV, 273, 294, XVI, 16, 17, 19, 95, XIX, 297, XXIII, 103, 120, 278, XXVII, 258, XXVIII, 232, XXIX, 424; timber line, XVI, 15; animals, V, 170, VI, 325, 360, XV, 236, 246, XVI, 37, 58, XX, 260, 276, XXI, 185, 197, XXII, 69, XXIII, 107, XXVII, 260-269; birds, XVII, 147, XXVII, 258; insects, XVI, 21, XX, 283, XXVII, 258, 259; reptiles, XVI, 40; observations in, XV, 292, XVI, 13-15, 22, 30, 33, 35, 36, 54, 76, XVII, 183, 188, 258, 262; not known, V, 239; explored, VIII, 78, XXVIII, 274; by Vérendrye, V, 114; Lewis and Clark, XV, 281, XXI, 53, 80, 102, XXII, 217, XXIII, 66, XXVIII, 110, 318; by Frémont, XV, 166; Astorian expedition in, V, 225-227, VI, 298, VII, 182, XV, 237, 238; Long's, IX, 164, 165, XIV, 25, XV, 34, 264, 265, 274, 275, 285, XVI, 136, XVII, 26, 97, 99, 183, 256-258; Palmer's, XXX, 27, 71; Pattie's, XVIII, 50, 105, 139, 142; Pike's, XVI, 35, 230, XIX, 175; Wyeth's, XXI, 43, 51, 54, 68, 69, 82, 88, 91, 98, 243; hunters and traders, V, 98, VI, 29, 376, VII, 35, 36, 38, XIX, 188, XX, 23, 24, XXI, 47, 57, 85, 155, XXII, 233, 367, 378, 379, XXIII, 68, 225, XXVII, 55, XXVIII, 9, 178, 107; caravans, XXII, 211, XXVII, 136; first wagons, 243; rendezvous, XXII, 14; trails across, V, 99, XVIII, 140, XIX, 253, XXI, 102, XXVIII, 114, 194, XXIX, 42, 307; passes, VI, 352, 353, 356, XVIII, 14, 142, 375, XXI, 240, XXVII, 175, 177, XXX, 45; melting of snow, V, 92, 122, XIV, 218; dangers, XXI, 130; posts among, V, 230, VI, 252, 357, 358, 375, XV, 246, XXI, 113; emigration to, XVIII, 19, XIX, 236, XXIX, 207; settlements, XXVI, 279; Indians among, V, 139, 225, VI, 18, VII, 101, 211, 277, XV, 157, 211, 237, XVI, 119, 171, XVII, 158, XIX, 278, XX, 69, 70, 84, XXI, 84, XXIII, 90, 96, 98, 253, 395, XXVI, 15, XXVII, 130, 143, 159, 160, 163, 174, 230, 391, XXVIII, 156, 261, XXIX, 174, 253; Indian legend concerning, XXIII, 372; missions among, VII, 310, XXI, 228, XXVI, 14, XXVII, 135, 162, 377, XXIX, 130, 230; Christmas celebration in, 300; cross on, XXVII, 131; inscriptions, 162; Bonneville on, XX, 267; Bradbury, V, 179; Bridger, XXVII, 299; Campbell, XXIII, 198; De Smet, 135, XXVII, 155, 156, 167, 189, 248, 401, XXIX, 109, 111, 168, 171, 205, 261; Russell Farnham, VII, 210; T. J. Farnham, XXVIII, 192, 277; Fontenelle, XXII, 265, 316; Fraser, VII, 194; Keith, VI, 304; Kelley, XXI, 102; Mackenzie, XVII, 236; McTavish, VI, 282; Maximilian, XXII, 14, 16, 231, XXIII, 164; Patton, 135; Peale, XXII, 69; Pilcher, 235; Ross, VII, 21; Sublette, XXI, 52; Thompson, VI, 253, 295; Tonish, XXVI, 262; sketch map of Canadian, XXIX, 212.

Rogue River, as a boundary, XXX, 191; described by Palmer, 191.

St. François, isolated knob on, XXVI, 97.

Saluda, Alexander on, IV, 204.

San Bois, location, XIII, 209.

- San Juan, watershed, XVIII, 75.
Sandia, excavations in, XIX, 303.
Sangre de Christo, XXVIII, 190; gold mine on, XIX, 310; location, XVI, 53, XIX, 310.
Santa Fé, watershed, XVIII, 77; elevation, XIX, 283.
Santa Inez, mission on, XVIII, 280.
Sawatch, boundary, XXVIII, 216.
Sawback, watershed, XXIX, 226.
Sawtooth range, XXI, 236.
Scrub Ridge, road, XII, 192, 195; location, 192; views, 189, 193.
Selkirks, as a boundary, XXIX, 205; seen by Franchère, VI, 350.
Shawnee Hills, origin of name, XVI, 163; watershed, 175, XVII, 79.
Shining. See Rocky, above.
Short, formation, XVII, 225; settlements near, 15; sketch, XIII, 194.
Shoshoni, watershed, XVIII, 141.
Sierras, trail, XXX, 91; Donner emigrants on, 250.
Sierra Blanca, described by Gregg, XX, 156.
Sierra Jumanes. See Wichita, below.
Sierra Madre, as a boundary, XVIII, 146; river, XIX, 280; valley, XVIII, 153; Pattie on, 147; described, 359.
Sierra de Metates, silver mines on, XVIII, 153.
Sierra de Mogoyon, copper mines on, XVIII, 86.
Sierra Nevada (Snowy), as a boundary, XXVIII, 310; names, 305; trend, XXIX, 31, 32; spurs, 74; rivers on, XXVIII, 113; De Smet sees, XXIX, 336; described, XXVIII, 305, XXIX, 121.
Silver Creek, geological formation, IX, 283, XIV, 74; cataract, IX, 284; minerals, 310; salt springs, XIV, 58; described, 74-76.
Silver Hills, sketch, XII, 12.
Siskiyou, location, XXIX, 74, XXX, 192; watershed, XXIX, 46.
Smoky, connected with Wisconsin Hills, XVII, 177; described, 110.
Snake, geological formation, XVII, 248.
Snake River, traders on, V, 233.
Snowy. See Sierra Nevada, above.
South. See Blue Ridge, above.
South Branch, Woods on, X, 205.
Spokane, as a boundary, XXX, 283.
Strawberry, river on, XXI, 267.
Sunny, as a boundary, XXIII, 70.
Tuscarora, Cuming on, IV, 56, 57; Weiser, I, 21, 22.
Uintah (Unita), rivers on, XXI, 60, 199, XXX, 74.
Ute, river on, XXVIII, 187; Ute Indians, 212.
Warwick, bears on, IX, 44.
Wenatchee, rivers on, VII, 147.

MOUNTAINS: *Ranges* (continued)—

Wet (Huerfano, Wolfano), location, XVI, 52; watershed, XXVIII, 189, 190; formerly Huerfano, 183.

White, altitude, IV, 68.

Wichita (Sierra Jumanes, Towyash), valley near, XX, 212; gold mines, 243; described by Gregg, 238.

Williams River, described by Farnham, XXVIII, 220.

Wind River, XXI, 186, 188, XXVIII, 222, 286; as a boundary, 252, XXIX, 29; watershed, XVIII, 141, XXVII, 212, XXVIII, 111, 113; rivers on, XXI, 53, 60, XXVII, 146, XXX, 67, 72; passes, XXVIII, 304, XXIX, 30; snow, XXVIII, 283; Indians, XXIX, 343; described, XXI, 184, XXVIII, 305, XXX, 68-70; sketch, XXI, 184.

Wisconsin Hills, described by Long, XVII, 177.

Wolfano. See Wet, above.

Wood's Hills, described by Maximilian, XXII, 277.

Individual Mountains, Mounts and Peaks

Adams, named, XXVIII, 305; grandeur, 373; winds, 370; described, 353, 356; sketch, 356.

Baker. See Tyler, below.

Bending (Nunnewaya), tradition concerning, XX, 284.

Biddle, location, XXIX, 212.

Black, location, III, 287.

Bridger's Peak, location, XXVII, 299.

Brown, location, XXIX, 29; height, 30, 43, 267; sketch, 29.

Butte Carrée. See Square Butte, below.

Cassetête. See Tomahawk, below.

Cerne, location, XVII, 12; formation, 225.

Coffin, Indian cemetery, VII, 117, 118; named, VI, 244; description, VII, 118, XXI, 309; location, VII, 118.

Los Cuervos (Crows), observed by Gregg, XX, 141.

Diamond Peak (McLoughlin, Madison), altitude, XXIX, 34; watershed, 49; sketch, 34.

Fairweather, sketch, XXIX, 32.

Frémont, altitude, XXI, 184.

George Peak, named by Spotswood, XXVI, 217.

Grand Monadnock, described by Evans, VIII, 106.

Grand Peak. See Pike's below.

Grand Teton, height, VII, 182.

Grandfather, height, III, 287.

Harrison. See Rainier, below.

Hayrick, viewed by Palmer, XXX, 175.

Haystack Knobs, XII, 12.

Holy Cross, sketch, XXVIII, 216.

Hood, VI, 247, XXX, 165; as a boundary, XXI, 320; confusion in names, XXIX, 34; height, 146; rivers, VII, 119, XXX, 129, 134, 139; snow, XXIX, 282; trails, XXX, 142, 157, 297; emigrants on, 149; described, XXIX, 166, 184, XXX, 14, 18, 28, 110, 126, 130, 131, 138; sketch, VI, 248.

Hooker, height, XXIX, 30, 43, 267; pass, 29; boundary, 30.

Iron, location, III, 283, 284.

Jackson, described by Farnham, XXIX, 35.

James's Peak. See Pike's, below.

Jefferson, named, XXVIII, 305; as a boundary, XXI, 320; wind on, XXVIII, 379; river, XXX, 184; Franchère sees, VI, 248; Palmer, XXX, 175; described, XXIX, 34, 62, 166; sketch, 34.

John Quincy Adams. See Pitt, below.

Kalispel, described by De Smet, XXIX, 290.

Knobs, described, XIV, 75, XIX, 67.

Lincoln, Farnham's party on, XXVIII, 211.

Long's Peak (Les Deux Oreilles, Two Ears), site, XXVIII, 173, 283; origin of name, IX, 165, XIV, 14, XV, 271; watershed, XVIII, 142; height, XV, 271; Long near, 275; Pattie on, XVIII, 140.

McLoughlin. See Diamond Peak, above.

Mary's Peak, described by Palmer, XXX, 176.

Monroe. See Scott, below.

North, described by Faux, XII, 21.

Nunnewaya. See Bending Mountain, above.

Olympus (Santa Rosalia, Van Buren), location, XXIX, 33, 34; sketch, 34.

Los Organos, described by Gregg, XX, 156.

Pike's Peak (Grand, James's), as a boundary, XXVIII, 183; location, XVI, 36, XXVIII, 116, discovery and exploration, VIII, 280, XIV, 14, 15; different names for, 15, XV, 314, XXVIII, 111; 184, 304; elevation, XV, 271, 314, XVI, 11, 27, 36, 59, XVII, 149, 180, 257, 258; rivers on, XXVIII, 186, 188, 306; sandstone, XVII, 204; surrounding mountains, XXVIII, 190; Farnham sees, 184, 186, 213; Long, XV, 271, 275, 305, XVI, 62, 75-77; astronomical observations, XIV, 15, XVI, 27; first person at summit, 36; ascent difficult, 14; James ascends, XVII, 149; cog-wheel railroad, XVI, 13; described, 15, 24, XXVIII, 190, 304.

Pilot Knob, sketch, XXVI, 97. See also Three Tetons, below.

Pinnacle, XIII, 148.

Pitt (John Quincy Adams), XXIX, 35; described, 34.

Point Sucre. See Sugar Loaf, below.

Pokono, location, XXII, 97; elevation, 110; distance from Bethlehem (Pa.), 109; forests, 99; inhabitants, 106; Maximilian, 100; described, 100.

Polk, location, XXIX, 33.

Rainier (Harrison, Regnier, Tacoma, Takoman), location, XXIX, 33; height, 35; base, 146; crater on, XXX, 196; Indian legend, 196; described, XXIX, 33, XXX, 213; sketch, XXIX, 33.

Red Buttes, trail, XXX, 66; road, XXVII, 162; as a boundary, XVI, 20; described by Townsend, XXI, 183.

Round, A. Michaux on, III, 56.

Round Mound, XX, 93; described by Gregg, XIX, 241; view from, 243, 244; sketch, 241.

MOUNTAINS: *Individual Mountains, Mounts and Peaks* (continued)—

Saddle (Swollalachost), location, XXX, 194; streams on, 197, 199, 224; ancient crater, 196; in Indian legend, 196; sketch, 194.

St. Elias, latitude, XXIX, 32.

St. Helens, as a boundary, XXVIII, 358; confusion in name, 353, XXIX, 34; height, 121; river on, XXX, 224; snow, XXIX, 282, XXX, 213; Franchère sees, VI, 246; Palmer, XXX, 110; described, XXIX, 121, 146, 166; sketch, VI, 246.

Santa Clara, described by Venegas, XVII, 191.

Santa Rosalia. See Olympus, above.

Scott (Monroe), location, XXIX, 34; sketch, 35.

Shasta, formerly Pitt, XXIX, 35; watershed, 46; sketch, 35.

Spanish Peaks, river on, XXVIII, 187; snow, XVII, 209; Farnham sees, XXVIII, 184, 304; Long, XVI, 64, 75; described, 52.

Spotswood Peak, named by Spotswood, XXVI, 217.

Spring, described by Maximilian, XXII, 117.

Square Butte (Butte Carrée), Maximilian on, XXII, 340, XXIII, 214, XXIV, 85.

Stone Walls, described by Maximilian, XXIII, 77-83.

Sugar Loaf (Point Sucre, Sugar Point), XI, 151; geological formation, XIII, 207, 208, XVII, 225; Long sees, XVI, 188; Nuttall on, XIII, 207, 227, 229, 230; described, 198, 200-202, 208, XXIX, 258.

Swollalachost. See Saddle, above.

Table, location, III, 287.

Tacoma. See Rainier, above.

Taos, elevation, XIX, 283; as a boundary, XVIII, 75; Indians on, XX, 70, 83; Pratte, XVIII, 73.

Teton, Wyeth on, XXI, 61.

Three Buttes, plain described, XXVIII, 310; De Smet sees, XXVII, 253; Farnham, XXVIII, 301, 310; Townsend, XXI, 208; Wyeth, 231.

Three Sisters, viewed by Palmer, XXX, 175.

Three Tetons (Pilot Knob), trail, XXVIII, 113; trappers on, 237; Astorians, VII, 182; Stuart, 226; De Smet sees, XXVII, 253; Townsend, XXI, 209; sketch, VII, 182.

Tomahawk (Cassetête), described by Nuttall, XIII, 194, 195.

Tucumcari, location, XX, 205; road, 141, 142; sketch, 141.

Twin, location, XIII, 194.

Tyler (Baker), described, XXIX, 33, 146; sketch, 33.

Upper Short, location, XIII, 194.

Van Buren. See Olympus, above.

Washington, Farnham describes, XXIX, 34, 62, 71; named by Lewis and Clark, VI, 247, 248; base, XXVIII, 373; wind, 379; Palmer sees, XXX, 175.

White Butte, snows on, XXVIII, 210.

White Castles, Maximilian describes, XXIII, 64.

Yellow, source of Great Kanawha River, III, 182; road, 99, 283; Michaux on, 56, 57, 287, 288.

Hills

- Ayres's Hill, origin of name, IV, 252.
 Battle, Pattie on, XVIII, 111, 119.
 Bay Charles, organic remains, XIV, 143.
 Big Hill, location, XXX, 280.
 Blackbird Hill, Omaha on, XIV, 267; Brackenridge, VI, 77, 151; described, 81, 82; sketch, V, 85, 86.
 Boyd's Hill, described, IV, 251, 252.
 Breed's Hill, monument, XXII, 46, 47.
 Bunker Hill, battle, III, 20, XXII, 46, 47, XXVI, 188; monument, XI, 56, XXII, 47, XXVII, 30.
 Children's Hill, resort for Indian penitents, XXIII, 376.
 Coal Hill, location, III, 169.
 Connewago Hills, Harris on, III, 319; road, IV, 35.
 Crête Côte, in Indian folk-lore, XXIII, 382.
 Floyd's Hills, described by Maximilian, XXII, 278.
 Grand Gulf Hills, location, IV, 308.
 Grant's Hill, location, VIII, 254; in French and Indian War, 254; panorama from, XIX, 28, 29; described by Nuttall, XIII, 46.
 Ischta Maso (Ischta Manso, the iron eye), described by Maximilian, XXII, 265.
 Lead mine, on Missouri River, VI, 164.
 Maison du Chien, in Indian folk-lore, XXIII, 382.
 Monk's Hill, described, XIV, 120, XXIV, 127, XXVI, 187-197.
 Muldrow's Hills, road, III, 217; settlements, 221; described, 213, 214.
 L'Ours qui Danse, origin of name, XXII, 366.
 Pismire Hill, rattlesnakes on, XXII, 117.
 Prairie Hill, sacred seat of Minitaree, XXIII, 376; described by De Smet, XXVII, 212.
 Quarry Hill, described, IV, 249-252.
 Les Ramparts, watershed, XXII, 335.
 Rattlesnake Hills, fort on, XXII, 254.
 Ray's Hill, Cumming on, IV, 59.
 Rector's Hill, geological formation, XIV, 143.
 Richmond Hill, view, XIX, 136.
 Santee High Hills, A. Michaux on, III, 53, 103.
 Scotch (Scot) Hill, described, IV, 251.
 Sicily Island, location, XVII, 60.
 Sideling Hills, stratification, XIV, 52; sand-rock on, XVII, 252; road, IX, 71; emigrants, 72; Cumming, IV, 58, 59; Harris, III, 367, 371, 372, 374; Welby, XII, 288; described, III, 322, 323.
 Warrior's Hill, observed by Maximilian, XXIV, 136; by Bodmer, 139.
 Mountplace (Ind.), Indian mounds in, XIII, 69.
 Mousse, Ignace la (Old Ignace), Flathead Indian, XXVII, 230.
 Mouvill Indians. See Mobile.

- Mowry, Dr. —, physician, IV, 87.
- Mowry, William A., *Marcus Whitman*, XXI, 353.
- Mozard, Théodore Charles, French consul, III, 76.
- Mozca Indians. See Muysca.
- "Mud-holes" (Ind.), blockhouse at, X, 62; observed by Faux, XII, 12.
- Mud Lick (Ky.), mineral springs, III, 206.
- Mudge, —, landlady, XII, 75.
- Muhhekaneew Indians. See Mohican.
- Muhlenberg, Gotthilf Heinrich Ernst, botanist, III, 135, 136, 138; friend of Baldwin, XIV, 154.
- Muhlenberg, John Peter Gabriel, in *Revolution*, III, 135.
- Muhlenburg, Heister M., in *Reading* (Pa.), I, 21.
- Mulatatoes, in *Natchez*, IV, 320, 321; *New Orleans*, VIII, 13, 336, XIX, 126; scarce in *New Mexico*, 287; as teamsters, XX, 102, XXI, 233, 234; as servants, XXII, 54, 62, 68; antipathy toward, XI, 100; social ostracism, XVIII, 374.
- Mulberry (Ark.), Billingsley in, XVII, 13.
- "Mulberry Hill," Clark family plantation, V, 254.
- Mulberry trees, habitat, I, 137, III, 299, IV, 338, V, 43, VI, 221, VIII, 276, XIV, 157, 161, XVI, 168, XVII, 63, 115, 118, 143, XX, 254, 256, 258; spontaneous growth of, XIII, 142; abundant, 323, XIX, 61; plantations of, XXII, 141; river named for, XIX, 252; as fuel, XIV, 173, XXII, 248; shade trees, 69; value, XVII, 116; observed by Bell, XVI, 229, 242; Gregg, XX, 115; Long, XVI, 139; Woods, X, 203, 306; *morus rubra*, XXVII, 69; *rubus odoratus*, XXII, 123; bark used as cloth, VI, 222; as thread, XIII, 258.
- Mules, IV, 317, XVIII, 340, 341, XX, 45, XXII, 377; compared with oxen, XIX, 191; wild, XV, 260, XVI, 99; size, XX, 92; hoofs, 170; food, XIX, 299, 318, XX, 219, XXVIII, 188, 234; exhausted, XV, 309, XVI, 184; fear storms, XXVIII, 83; hardships, XVIII, 97, 359; privations, XX, 152, 227; perverse, XVI, 147, XIX, 203, XXVIII, 69; sagacious, XXI, 59, 60; security, XX, 179; sense of smell, XXVIII, 212; usefulness, XIX, 215, 321; buffalo scatter, XVIII, 56; skirmish with mustang, XIX, 215; recognize rattlesnakes, XVI, 222, 223; bitten by rattlesnakes, XX, 281; wolves attack, XIX, 327, XX, 271; Indians own, XIV, 240, 241, XV, 78, 144, XVIII, 227, XX, 335, XXII, 277, XXVIII, 122, 190, 266; as food, XIX, 179, XX, 75; present, XV, 156, XVIII, 227; exchanged for tent, XVI, 202; for services, XVIII, 287; war booty, 73, 139; hired, 263; price of rent, 255; purchased, XV, 163; prices, 163, XVIII, 151, XXVIII, 242; tax on, IX, 231; article of trade, XVI, 207, XVII, 157, XVIII, 151, 350, XIX, 188, XX, 11, 76, 77, 89, 128, 137, 219, 348, XXI, 132, XXVIII, 71, XXX, 222; as equipment, XV, 191, 221, XVI, 63, XVII, 71, 98, XVIII, 42, 258; as stock, 344, XX, 71; branded, XIX, 320, 321, XX, 76, XXVIII, 46; herded, XIX, 304; "staked," XX, 90; how tethered, XIX, 213; night camps, XXVIII, 162, XXX, 257; stampede, XIX, 213, XXX, 35, 36, 228; drowned, XX, 218, XXVII, 273, 274, 327; lost, XVIII, 347, XXVIII, 89; stolen, XVIII, 76, 103, 144, 189, 190, XIX, 183, 184, XX, 32, 347, XXVIII, 71, 140, 166, 170, 174, XXX, 228; strayed, XVI, 124, XXX, 51; as beasts of burden, XVI, 209, XVII, 12, XVIII, 122, 123, 171, 172, XIX, 190, 199, 311, 344, XX, 104, 133, 157, 173, 203, 205, XXI, 223, 224, XXII, 382, XXIII, 196, XXVII, 337, 338, 340, 370, XXVIII, 11, 45-47, 57, 99, 170, XXIX, 287, XXX, 31, 45; capacity, XVIII, 351, XX, 179, XXI, 223; used in mining, XX, 180, XXII, 121; number employed, 121; popular in *New Mexico*, XIX, 313, 314; Mexican government impresses, XX, 170, 172; how harnessed, XXVIII, 46; pack-saddles, XIX, 314; shoes, 191, XX, 169, 170. See also Asses, Donkeys, Horses, and Mustangs.

- Muleteers (arrieros), described, XXVIII, 46; cowardice of, XX, 177; expert horsemanship, XIX, 319; skillful, 317; equipment, XX, 150; food, XIX, 318; wages, 318; know camping sites, XX, 152; traditions, 153; accompany Gregg, 178.
- Mulette, Michaux mentions, III, 189.
- Mulkey, Mrs. William, in Kansas City, XXVII, 136.
- Mullein (*verbascum thapsus*), abundant, III, 187, XIV, 129, XXII, 102; described by Maximilian, 66, 88.
- Müller, —, joins Astorians, VI, 268, 269.
- Mullet (fish), in Lake Peoria, XXVI, 135; observed by De Smet, XXVII, 260.
- Multnomah Indians, habitat, VI, 247, VII, 102; flattening the head, XXI, 303; how flattened, 304; described by Palmer, XXX, 163; sketch, VI, 247; note on, VII, 102, 103.
- Multnomah City (Oregon), founded by Burns, XXX, 163; described, 164, 165.
- Multnomah County (Oregon), rivers in, VII, 119, XXX, 134; island, VII, 119.
- Mumford, John M., on "Tonquin," VI, 195; quarrel with Capt. Thorn, VII, 78; searches for Columbia River channel, 79; at Point Adams, VI, 233; Point George, 250; commands schooner, 251; forages, 261; discharged, VII, 98.
- Muncie (Kans.), site, XXII, 251.
- Munger, Asahel, missionary, XXVIII, 275.
- Muñoz, Capt. —, in revolt of 1837, XIX, 277.
- Munro (Ohio), described by Flint, IX, 309.
- Munroe, —, in Franklin (Mo.), XIV, 151, 152.
- Munsee Indians, in Wyoming valley, I, 187; among Oneida, XXIV, 183; Ohio tribe, II, 43, 62; population, XX, 317.
- Muratori, Ludovico Antonio, quoted, XXVII, 258, 295, 296; *Anecdota Græca*, 252; *Anecdota Latina*, 252; *Missione dei Padri*, 252; sketch, 252.
- Murdoch, —, land proprietor, IV, 337.
- Muriates, in mining, XX, 183; of soda, XIV, 82, 83.
- Murphy, Benjamin, in Cadron (Ark.), XIII, 157.
- Murray, —, Indian authority, XX, 339.
- Murray, Dr. —, in Fort Osage, V, 61-64, 66.
- Murray, Charles Augustus, *Travels in United States*, XIX, 161; sketch, 161.
- Murray, Maj. William, at Fort Pitt, I, 147.
- Muscatine (Iowa), site, XXII, 217.
- Museums, foreign, III, 14, 131, XXII, 170, XXIV, 86, 87; in United States, IX, 44, X, 95, XI, 88, 263, XIV, 66, 78, XXI, 181, XXII, 139, 141; character of, 49, XXIV, 143; for natural history, IX, 137, 241, XXII, 85, 141; fossils in, 156, XXIII, 219; at Boston, XXII, 49; Catlin's, 32, 218; Cincinnati, XXIV, 143; Morton's, 191; at New Haven, XXVI, 105; New Orleans, XIII, 316, 317, XIX, 127; New York, XXII, 60; Niagara, XXIV, 165, 173; Philadelphia, III, 131, IX, 55, XII, 67, XXII, 49, 64, 69, 70, XXIV, 191; St. Ignatius mission, XXIX, 321; St. Louis, XXVIII, 290-292; Santa Fé, XIX, 284; Shippingsport (Ky.), 132; Washington, XXII, 32; Wisconsin Historical, 230; *Museum of Foreign Literature*, cited, XIX, 112.
- Musgrave, —, footman, IV, 233, 234.
- Mushchinga. See Big Rabbit.

- Mushrooms, size, XVI, 242; observed by Woods, X, 303.
- Musical instruments, as presents, XIV, 239; interest Indians, XXIII, 160, XXIV, 69; pianos, IV, 179, XI, 79, XII, 266, XXVII, 33. See also Amusements, and the several instruments.
- Muskets. See Weapons.
- Muskingum County (Ohio), settlement in, IV, 226, XXII, 155; towns, XXIV, 151, 153.
- Muskogee (Muscoghe, Musgogi, Muskoghe, Muskogolgee) Indians. See Creeks.
- Muskrats (musquashes), habitat, II, 77, 95, 118, III, 63, 82, XXIX, 51, 166, 209, 214; abundant, XXII, 168, 381, 384, XXIII, 199, XXVII, 184, XXIX, 93; food, XXII, 188; hunted, XIV, 289, XXIX, 257; in Indian tradition, XXVII, 169; *arctomys monax*, XIII, 83; *ondatra*, XV, 317, XXII, 82, 381, XXIV, 95; skins, in Indian trade, V, 85, XXIV, 106; annual export, XXII, 381; as dress, XXI, 307.
- Musquake (Fox) Indians, physiognomy, XXII, 308; habitat, I, 169; portrait, XXII, 222; *Last of the Musquakes*, XXVIII, 142.
- Musquash Indians, Chippewa tribe, II, 99.
- Mussels, freshwater (*unio*), as food, XVI, 255; abundant, XXIX, 93.
- Mustangs, Mexican horses, XIX, 313; habitat, XX, 248; unnecessary slaughter of, 214; skirmish with mule, XIX, 215; described by Gregg, XX, 118, 260-262. See also Asses, Donkeys, Horses, and Mules.
- Mustard, as sea store, XII, 157.
- Mustizos, in New Orleans, VIII, 13, 336.
- Mutton. See Sheep.
- Muysca (Mozca) Indians, legends of sun and moon, XIII, 344, 345.
- Myagrum argenteum*, observed by Bradbury, V, 319.
- Myers, Charles, with Long, XVII, 98; deserts Bell, XVI, 263, 264.
- Mynonamie Indians, habitat, I, 169.
- Myosotis*, observed by Long, XVI, 86; *glomerata*, XV, 277; *scorpioides*, 226; *virginiana*, XIV, 156.
- Myosurus minimus*, observed by Nuttall, XIII, 105.
- Myriophyllum*, habitat, XV, 226; *verticillatum*, XIII, 224.
- Myrtle, in Charleston (S. C.), XI, 67, 99, 104; cultivation of, XIII, 301; observed by Faux, XII, 125; Woods, X, 185; wax, XIII, 289.
- Mytillus*, fossil, XVI, 41, XXVI, 104; *lithophagu (rugosus)*, V, 254.
- NACOGDOCHES (Tex.), Cherokee near, XVIII, 368; Spanish troops in, XVII, 68, 73; Americans, XVIII, 367; seized by filibusters, XVI, 208.
- Nacogdoches County (Tex.), seat, XVII, 68.
- Nadeau, Joseph, on "Tonquin," VI, 195; explores Columbia, 230; hunter, 368; sketch, 237.
- Nadonaick Indians, on Menominee River, VIII, 232, 271.
- Nadowa (Mo.), VII, 173; Astorians in, VI, 268, VII, 237.
- Nahojeningya, war exploits, XV, 135.
- Nail-makers. See Trades.
- Nails, manufactured, IX, 59; scarcity of, XXVI, 209; article of trade, XXI, 32; brass, as ornaments, XXIII, 258, 261.

- Nakasletín (Nazeteoten) Indians, habitat, XXIX, 182.
- Nambé, pueblo of, language, XX, 56.
- Namowit Indians, Wappato nation, VII, 118.
- Nanaboojoo, Potawatomi divinity, XXVII, 302, XXIX, 373, 376-380.
- Nanabush, Chippewa divinity, XXIII, 301, 302.
- Nananis, befriends Morris, I, 315.
- Nance County (Nebr.), creeks in, XV, 141, 203.
- Nandoesi (Nadowassiss) Indians. See Dakota, and Naudowessie.
- Nanticoke Indians, origin, II, 43; habitat, I, 167, 187.
- Nantucket (Mass.), whaling ships in, XXI, 34; prosperity, 23.
- Napa (Cal.), Walker in, XXX, 190.
- Napa County (Cal.), Pope valley in, XVIII, 263.
- Naphtha, oil of, observed by Flint, IX, 100.
- Naples (Ill.), site, XXVI, 129.
- "Napoleon," Ohio River steamboat, XXII, 200.
- Naragansett Indians, land grant to, VIII, 127.
- Narbona, Antonio, governor of New Mexico, XX, 23, 24.
- NARROWS—
- Bear River, XXX, 77, 78.
- Columbia River, XXI, 285, XXVIII, 356, 357, XXIX, 41.
- Cracon du Nez (on Missouri River), XXIII, 94.
- Hudson River, VI, 192, IX, 28, 43, XXII, 55.
- Nishnebottonéh River, XXII, 262.
- Sweetwater River, XXX, 68, 69.
- Wakarusa Point (Willow Springs, Santa Fé route), XIX, 195, XX, 93.
- Wassoba Wakandaga (bear medicine), XXII, 255.
- Narvaez, Pamphilo de, explorer, XIII, 331, 358.
- Nash, —, in Nashville (Mo.), XIV, 146.
- Nash, Gen. Francis, patriot, III, 61.
- Nash, Wed, in Albion (Ind.), XI, 256.
- Nashkutin (Nashkoten) Indians, habitat, XXIX, 182.
- Nashport (Ohio), location, XXIV, 151, 153.
- Nashville (Mo.), size, XIV, 146; sketch, 146.
- Nashville (Tenn.), III, 86, 262; location, 250, IV, 275, VIII, 276, X, 254; Robertson founds, III, 251; early settlement, 274; character of soil, 63, 96; roads, 217, VIII, 63; traces, III, 253; trade, 251-253, 266; manufactures, V, 297; market, III, 252, IV, 97, 306, XIV, 82; prices of land, III, 279; wages, 201; highway robbery, IV, 268; Cumberland College, III, 251; population near, XVII, 106; Roman coins discovered near, XXVI, 179; "Waterwitch" in, XXII, 158; Burnett, XXIX, 280; Burr, XXVI, 77; Buttrick, VIII, 76; Craighead, III, 62; Hays, 93; Jackson, XI, 195; A. Michaux, III, 61, 63, 85, 86, 90, 93, 104; F. A. Michaux, 206, 213, 214, 217, 255, 275; Monroe, VIII, 79; Waters, IV, 276; population, III, 250; sketch, 61, 62, 250-253, VIII, 276; *Clarion*, III, 251.

Natah-Otann, wounded, XXIII, 148.

Natchez Indians, tribes, XIII, 312; habitat, I, 305, 327, XIII, 179, 303, 352; migrations, 343; civilization, 338, 347, 348; language, 179, 352; traditions, 179; human sacrifices, 342, 346; images, 290; chiefs and government, 240, 334, 339-342, 346, 349, 350, 355; method of reckoning time, 350, 355; epidemics among, 343; burial customs, 116, 341, 342; intertribal relations, I, 327, XIII, 347, 351, 354, 358, 364; De Soto among, 333; wars with French, I, 327, III, 254, IV, 323, VIII, 312, XIII, 300, 303, 347-352, 358, XXII, 219, XXVII, 47; population, XIII, 179, 343.

Natchez (Miss.), location, IV, 292, 321, 356, VIII, 312, 316, XIII, 298, 356, XIX, 64; natural features, IV, 351, VIII, 303, XXII, 209; climate, VIII, 61; astronomical observations, XVII, 262; epidemic, XI, 186; Indian mounds, XIII, 304; Indians, 179, 304, 305; described by Bradbury, V, 211; Bullock, XIX, 130, 131; Cuming, IV, 320-322; Evans, VIII, 318, 319; Nuttall, XIII, 300; early settlement, III, 253, IV, 12; in Revolution, 332; Spanish governor, III, 81; surrenders to United States, 254, IV, 332; troops in, 328, 356, 357; population, 321, 356, V, 211, VIII, 319; capital of Mississippi, IV, 319; as a boundary, III, 254, VIII, 302, XIII, 355, XVII, 171; roads, III, 253, 255; IV, 313, 317, 319, 327, 347; agriculture, 317, XIII, 301; river port, III, 165, IX, 154, XIII, 66, XVII, 66, XXI, 92; commercial centre, III, 158, 245, IV, 322, 356, 358, VIII, 326, XIX, 65; slave-market, VIII, 320; social conditions, XIII, 302; bandits, IV, 268; merchants, XVI, 208; missionaries, III, 80; Basset in, IV, 298; Blennerhassett, 130; Bruin, 311; Buttrick, VIII, 60, 72; Calvit, IV, 314; Cochran, 94; Coffin, XI, 98; Craft, III, 188; Cuming, IV, 320, 348; Dunbar, 325, XIII, 283; Evans, VIII, 324, 327; Forman, IV, 320; Gayoso, 317; Grandpré, 343; Hurdis, 348; Hutchins, 326; Nuttall, XIII, 296, 308; West, IV, 317; Willing, 317; Winters, XIII, 106.

"Natchez," Mississippi steamboat, XIX, 126.

Natchitoches (Nagutax) Indians, habitat, XVII, 66, 68; population, 68; De Soto among, XIII, 336; Chickasaw, 358; sketch, XVII, 68.

Natchitoches (La.), location, VIII, 328, 329, XIII, 216, XVII, 64, 77-80, XIX, 249; sketch, XVII, 65; natural features, XVI, 136, 178, XVII, 238; road, XIII, 145, 147, 158; Spanish in, XVII, 72; Pike's expedition, XIX, 175; Sparks's, XVII, 67, 71; Sibley, V, 66, 194.

Natchitoches Parish (La.), county seat, XIII, 147; great raft in, XVII, 70.

Natohs (sun), Blood medicine man, XXIII, 126.

Natoie-Poóhsen (word of life), mourning, XXIII, 142.

Natrona County (Wyo.), mountains in, XXI, 183, 241; river, XV, 235.

Naturalists, with Long, XIV, 11, 41; on Missouri River, VI, 27; in Philadelphia, XIII, 36. See also the several individuals.

Naudowessie Indians, bands, XV, 130; language, XVII, 306-308; worship, XIII, 239, 340, 346; hostile, V, 75.

Naughkenne. See Left Handed.

Nauvoo (Ill.), Mormons in, XX, 98, XXVI, 335, 358; charter revoked, XXIX, 371.

Navaho Indians, stock, XVIII, 350, XX, 70; habitat, XVIII, 139, 376, XX, 69; language, 56, 83; religion, 71, 291; population, XVIII, 69, XX, 70, 72; industries 64, 65, 71; depredations, 73; relations with other tribes, XVIII, 69, 72, 165; with whites, 139; expeditions against, XX, 23, 72, 103; invade Valverde, 151; missionaries among, 71, 72; described by Gregg, 70-73; Pattie, XVIII, 165-167; Willard, 341; relations with U. S. government, XX, 72.

NAVIGATION: in general, history, XXVI, 13; rules for, 98; letters of marque, VI, 295, VII, 245;

winds and currents, IV, 126, VIII, 361, 362; inland, 236, XIII, 44, XIX, 151; seamen, XVIII, 28; free, on the Mississippi, III, 12, 18, 44, V, 271, XII, 28; negotiations with Spain concerning, III, 39, 44, 45.

Localities: Allegheny River, IV, 88, 97, 98, VIII, 10, 51, 56-58, XIV, 56; Alsea, XXX, 177; Altamaha, III, 297; Anderson's Creek, X, 248; Arkansas River, IV, 299, VIII, 317, XIII, 99, 233, 235, 236, 280, 288, XVI, 291, XVII, 83, 129, 130, 139, XXVIII, 117; Baker's Bay, XXIX, 70, 71; Bayou Pierre, IV, 349; Beaver River, VI, 367; Big Black, XVII, 131; Big Sandy, VIII, 263, XXII, 154; Big Sioux, 278; Blue, IV, 262; Brand, VI, 50; Canadian, XVI, 179, XVII, 142; Chehalis, XXIX, 81; Cheyenne, V, 184; Clark's, XXIX, 177; Clinch, III, 272; Colorado, XXI, 60, XXVIII, 223, 224, 260; Coquille, XXIX, 49; Columbia, VII, 78, 81, 85, 86, 119, 120, 123, 144, 146, 183, 254, XXI, 286, 290, 291, 308, 355, 358, XXVI, 17, XXVII, 373, 375, 376, XXVIII, 276, 371, 373, 376, XXIX, 36, 42, 77, 78, 80, 121, 138, 156-158, 179, 207, 268, 269, 272, 284; Cowlitz, 80; Cumberland, III, 271, VIII, 276, 277, XIX, 94; Cuyahoga, VIII, 187; Delaware, XVII, 158; del Norte, XIX, 278-281, XXVIII, 115, 116; Desplaines, 54; Elkhorn, VI, 101; Francis, IV, 296; Fraser's, XXIX, 43, 81; French Creek, VIII, 245; Gasconade River, XIV, 137, XVII, 131, XXVII, 227; Grand, VIII, 187, XIII, 231; Great Kanawha, IV, 142, VIII, 262; Green, III, 214, XXVI, 65; Gulf of Mexico, VIII, 357; Hockhocking River, IV, 142, X, 225; Holston, III, 272; Hudson, XIX, 153, XXIV, 189; Illinois, IX, 190, XIX, 54, XXVI, 126, 139; James, VI, 90; Juan de Fuca Strait, XXIX, 84; Juniata River, IX, 72; Kansas, VI, 67, XVII, 131, 138, XXII, 251; Kaskaskia, XXVII, 61; Kentucky, IV, 193; Kiskiminetas, III, 341; Klamath, XXIX, 46; Lake Erie, I, 166, VIII, 80, 239; Ontario, II, 48, VIII, 159; Superior, VI, 391, 392; Le Bœuf Creek, VIII, 245; Le Fevre River, XIII, 168; Lehigh, XXII, 89; Lewis, XXIX, 79; Licking, VIII, 281, XIX, 37; Little Red, XVII, 25; Little Red Elk, VI, 365; Maumee, I, 149, VIII, 207; Meramec, XVII, 131; Miami, IX, 184, 190, X, 238, XVII, 109; Mississippi, III, 165, 166, IV, 126, 166, 193, 280-282, 284, 299, 358, V, 199-204, 207, 208, VI, 162, VII, 180, VIII, 10, 59-61, 294, 300-302, 311, IX, 210, X, 248, XIII, 74, 75, 77, 80, 82, 83, 89, 92, 93, XIV, 76, 85, 86, 92, 94, 95, 97, 98, XVII, 171, 172, XIX, 48, 129, XXII, 205, 207, XXVI, 82, 89, 93, 94, 111, 149 (see also free navigation, above); Missouri, V, 53, 57, 70, 92, 93, 101, 103, 105, 117, 122, 190, VI, 13, 31, 33, 35-38, 41-48, 50-56, 62, 63, 66-80, 83, 86, 87, 93, 98, 102, 104, 110, 132, 133, 136, 151, X, 78, 79, XIV, 122, 129, 159-161, 174, 179, 217-219, XV, 231, XVII, 131, 171-173, XIX, 188, 189, XXI, 46, 47, 134, XXII, 247-253, 255-258, 260-264, 279, 289, 294, 296, 298-301, 312, 331, 332, 338, 339, 368, XXIII, 32, 35, 36, 39, 59, 67, XXVI, 265, XXVII, 154, 194, 401, XXVIII, 110, XXIX, 62; Monongahela, III, 30, 31, IV, 88, VIII, 254, XXI, 36; Moose, VI, 368; Muskingum, IV, 123-126, VIII, 263, IX, 184, 190, X, 73, XVII, 109; Niagara, VIII, 178; Ohio, III, 23, 145, 164-166, 168, 169, 172, 179, 180, IV, 113, 126, 166, 193, 261, V, 262, VIII, 58, 250, 255, 258, 300, IX, 86, 90, 91, 97, 102, 103, 105, 107, 112, 147, 148, 157, 160, 247, 286, 297, X, 39, 43, 217, 218, 222, 225, 231, 235, 242, 244, 248, 251, 253, XII, 239, 279, XIII, 48, 51, 54, 55, 57-59, 63-66, 69, 71, XIV, 60, 70, 76, 77, XVII, 102, 103, 171-174, XIX, 27, 30, 41, XXII, 139, 144, 147, 149, 152-155, XXIV, 131, XXVI, 49, 56, 57, 59, 60, 62; on tributaries of, XVII, 105, 106; Osage, XIV, 144, XVII, 131, XXVII, 227; Ottawa, II, 75; Platte, V, 226, XVII, 137, 138, XXI, 101, XXVII, 221, 270, XXVIII, 111; Red, VIII, 328, XVII, 63, 66-70, 130, XX, 252, XXVI, 57, XXVIII, 115; St. Francis, VIII, 315, XVII, 131; St. Joseph's, VIII, 231; St. Lawrence, IX, 323, 325; Saline, IV, 271; Salmon, VIII, 69, XXIX, 79; Salt, IX, 284; Sandusky, VIII, 78; Sangamon, IX, 191, XXVI, 320; Saskatchewan, VI, 377; Schuylkill, XII, 280; Scioto, IV, 161, 215, VIII, 264, IX, 184, 190, X, 230, XVII, 109; Snake, XXI, 265; Spokane, XXIX, 289; Susquehanna, IV, 37, XII, 291; Tennessee, III, 266, 272, VIII, 292-294; Tualatin, XXIX, 16, 30, 168; Wabash, I, 151, VIII, 285, IX, 190, X, 256, XII, 237, XVII, 109, XIX, 66; White, IV, 299, V, 246, VI, 147, 148, IX, 190, XVII, 25; Wilamette, VII, 114, 229, XXI, 301, XXIX, 14-16, 80, XXX, 166, 167, 297; Yamhill, 169; Yellowstone, XXI, 83; Youghiogheny, III, 333; Young's, XXX, 198.

NAVIGATION (continued)—

Methods: in general, III, 187, XIII, 68, 71; rowing, 108, XIX, 48, XXIII, 27, 182, XXX, 224, 225; paddling, III, 187; poling, XIII, 108, 143, XXVI, 61, 62; towing, XIV, 173, XIX, 153, XXI, 294, XXII, 245, 247, 337, XXIII, 25-32, 35, 45, 50, 56, 65, 70, 74, XXIV, 177, 180, 190, 193, XXVI, 61, 89, 90; by cordelle, XIII, 98, 99, 143, XIV, 72, 122, 218, XV, 109, XVIII, 204, XXX, 226; sailing, IV, 126, XIV, 100, XIX, 48, XXIII, 50-54, 63, 67, 74, XXIV, 95, 96, 193, XXVI, 61, XXIX, 367 (see also Transportation: Sailing vessels); by steam, V, 13, VIII, 325, XIV, 10, XVII, 39, 83 (see also Transportation: Steamboats); difficulties and dangers, IV, 359-361, VIII, 325, XIV, 86, 87, XXVII, 366; obstructions, XIII, 194, XVII, 69, 130; improvements, XXVI, 56-59, 113. See also Transportation, and Wharves.

Navigator, warnings in, IX, 94; cited, IV, 13, 92, 150, 280, 283, 288, 291, 295.

Navy, British, captures pirates, XII, 88. United States, scandal, 65; character of sailors, 86; captures pirates, 88; yards, 56, 330, 331, XXI, 27, XXII, 46, 55, XXX, 212; naval troops, XX, 136, XXIX, 72, 193 (see also Troops).

Nawmooit Indians, Kalapuya tribe, habitat, VII, 230.

Nazareth (Pa.), road, XXII, 86; Gebhard in, 86; Maximilian, 85, 86; Moravians, 84; population, 85.

Nazeteoten Indians. See Nakasletin.

Neamitch Indians, population, XXIX, 98.

Neasley, Jacob, sketch, IV, 104.

Nebraska, boundary, V, 90, XV, 251, 256, XXX, 57; map, 46; highlands, VI, 78, XV, 252, XXIII, 244; rivers, V, 72, VI, 72, 96, XIV, 185, 276, XV, 87, XVIII, 50, XXVIII, 306; Indians, XIII, 133, XXVIII, 141; reservations, V, 86, XXVIII, 146, XXX, 255; settlements, XIV, 275, XXIX, 372; astronomical observations, XV, 250, 251; Historical Society *Proceedings*, XXVIII, 147; *Transactions*, XIV, 261, XXVII, 156, XXIX, 371.

Nebraska City (Nebr.), site, XXVIII, 145, XXIX, 372.

Nectarines, observed by Woods, X, 186.

Needles, articles of trade, VI, 211; presents, VII, 68.

Negroes, origin, VIII, 334, 335, XI, 122; resemblance to Indians, XIV, 305; climate suited for, XII, 103, 137, XIX, 110; exempt from disease, III, 119, 296; slavery, early history, IX, 143-146, XIX, 102-112; justification of, IX, 11, 140, 141, X, 106, 107, XI, 95, 192, XII, 103, 105, 197, XIX, 105-109; effects, IX, 142, 143, 218, X, 96, 97, 320, XI, 91, 92, 259, XII, 228, 229, XIX, 111, 112; attitude toward, XII, 72, XIX, 31, 95, 96; evils, IV, 11, IX, 141-143, 218, X, 106, XI, 128, 172, XII, 22, 55, 62, 109, XIX, 96-100, 103, 104, 107, 116; dangers, IX, 194, X, 98; opposition to, VIII, 278, IX, 182, X, 13, XI, 115, 240, XII, 55, 72, 74, 289, XIX, 197, XXIV, 138; by English, IX, 10, 11, 31, 105, 145; Quakers, XIX, 12, 99, 100; controversy over, IX, 10, X, 14, 47, 49, XII, 311, 312; in Congress, IX, 145, XII, 23, 55, 56, 311; Missouri Compromise, IX, 192, XII, 54; constitutional limitations, XIX, 108; slave states, IX, 192, 193, X, 357, XI, 118, 161, XII, 204, 311, 312; investments in, XI, 234, 285; slavery in Northern States, III, 70, 358, VIII, 108, IX, 40, 43, XI, 119, XIX, 99, XXVII, 42; in Arkansas, IV, 293, 298, XIII, 112, 181; in District of Columbia, XII, 99; Florida, IV, 336, 337; Kentucky, III, 212, 226, 237, 242, IV, 174, 185, 190, 267, 268, VIII, 277, 278, 280, 281, IX, 68, 137, X, 91, 96, 97, XI, 193, 199, XIX, 43, 96; Louisiana, VIII, 13, 61, 329, 336, 342, XIII, 307, 309, 310, XVII, 62; Maryland, X, 186, 194, XI, 112; Mississippi, III, 254, IV, 306, 310, 319, 321, 344, VIII, 320; Missouri, V, 43, IX, 188, XI, 147, 263, XXII, 215, 216, XXIV, 122; New Mexico, XIX, 287, XX, 30; North Carolina, III, 292, IV, 204; South Carolina, III, 54, XI, 82, 85, 100, XII, 74; Southern States, IX, 37, 194,

XI, 58, 118, XIII, 309, XIX, 96, 108, XXI, 103; Tennessee, III, 257, 278, VIII, 73; Texas, XX, 235; Virginia, XII, 125, 188, 205, XIX, 31, 32; West Virginia, III, 358, IV, 146, IX, 101, X, 221, 227, XIX, 31, 32, 43; Western States, X, 14, 15, XIX, 99; Missouri River, VI, 48; Ohio River, IV, 129, IX, 157; in Canada, II, 117; Isle of France, VIII, 26-29; slaves accompany emigrants, III, 262, XI, 204, XIV, 287, XIX, 95, XXVI, 84; in frontier forts, XIV, 287, XXIII, 192, XXIV, 47, 82; among Indians, VIII, 73, XI, 247, XVII, 17, XIX, 126, XX, 292, 303, XXI, 340, XXIV, 43, XXVIII, 124; sale of, X, 210, XI, 84, 88, 122, XII, 87, 88, XIX, 108, 109, XXVII, 81; slave-markets, VIII, 320, IX, 141; prices, VIII, 320, 322, IX, 139, 141, X, 97, XI, 62, 85, 86, 88, 91, XII, 219, XXVIII, 249; source of revenue, XI, 85, 117, XII, 114, XXVII, 54; as presents, XI, 102, XII, 73; contest for ownership, XI, 97; slave-trade, VIII, 323, IX, 144, XII, 88, XIX, 106, XXVII, 42; prohibited, IX, 145, XI, 39, XIX, 38, 106; interstate slave-trade, III, 226, IX, 37, 144, XI, 193, XII, 319, 320; numbers of, X, 357, XI, 84, XII, 109, XIX, 42; expense, III, 304; treatment of, IV, 12, 328, VIII, 331, 332, IX, 37, 141, X, 194, 213, XI, 80, 87, 89, XII, 73, 114, 205, 289, 290, XIII, 310, XIX, 31, 32, 95, 106, XXVII, 56; branded, XII, 73, 74; food, III, 304, XI, 77, 83, 228, XIII, 310; cabins, IV, 293, 306, VIII, 326, 330, X, 189, XI, 78, 83, XII, 125, 219, XIII, 312, XIX, 129; dress, XI, 89, XXIV, 123; names, IX, 141; education forbidden, XI, 58; punishments, VIII, 323, XI, 85, XII, 13, 56, 73, 188, 309, 310, XXII, 216; murder of, XI, 12, 88, 92-96, 111, 114, 135, XII, 188; overseers, IV, 311, 328, XI, 80, 83, 101, XII, 95, XVIII, 360, XIX, 32; relations with whites, IX, 47, 142, 143, XI, 172, XII, 56, 97; fecundity of, IX, 140, 142, XI, 71, 72; physical characteristics, XV, 41, 257; mental, VIII, 332, 333, IX, 140, 145, 183, XI, 66, 100, XII, 289, 305, XXI, 135, XXII, 157; immorality, IX, 61, 183; laziness, 35, XII, 22; obstinacy, 217; temper, 77; thievery, XI, 85, 110, XII, 77, 105, 220; affection, IX, 93, XI, 84, 102, XXI, 103; servility, XI, 15, 112; strategy, XXVI, 150; trustworthiness, XII, 198; imagination, XVIII, 372; superstitions, XI, 40; religious services, 87, XII, 84, 85, 219, 305, XIII, 317; churches, IX, 55, XI, 119; burial ceremonies, XVII, 91; amusements, IV, 363, 366, VIII, 328, 336, IX, 147, XI, 95; love-songs, 95; fighting, 40; suicide among, XIX, 107; infanticide, XI, 80; infidelity, XV, 15; elopements, IX, 140; runaways, 167, 193, XI, 125, 166; passports, 118, XVIII, 230; kidnappers, 366; revolts, XII, 110, XIII, 313; occupations of, III, 304, IX, 226, XI, 77, XIV, 149, XIX, 120; clergymen, XII, 69; drivers, X, 192; ferrymen, IX, 131, XXI, 130, XXVII, 28; firemen, XXVI, 43; laborers, XI, 84, 116, 149, 300, XII, 22, 57, 97, 111, XIII, 108, XXII, 209, XXX, 33; salt-makers, IV, 174; servants, XI, 95-97, 177, XII, 76, 77, 188, XXII, 44, 156, XXIV, 135, XXVI, 292; stewards, XI, 40; traders, IX, 357, XIX, 126, XXII, 153; waiters, IX, 161; hired out, XII, 114; freed from militia service, X, 357; land-owners, XII, 67; emancipation, V, 289, VIII, 320-324, IX, 145, XIX, 98, 102-112, XXIV, 133; slavery prohibited, XIX, 80, 81, 92; in Illinois, XXVI, 238, 307; Mexico, XIX, 344; New York, IX, 37; Northwest Territory, IV, 218, IX, 145, 191, XIX, 109, XXVII, 51; Ohio, XIX, 80, XXIV, 145; Oregon, XXX, 300; decline in Pennsylvania, IX, 61; societies for emancipation, XI, 259, XIX, 99; transportation, IX, 37, 38, XIII, 310; free negroes, III, 131, IV, 198, VIII, 321, 322, IX, 33, 37, 137, 193, 303, X, 155, XI, 83, 100, 107, 108, 118, 138, 199, XII, 56, 109, 110, 111; stolen, XI, 260; sold, 62, XII, 306; sell children, XI, 122; in Illinois, XXII, 201; Kentucky, 157; Mexico, XX, 167; Mississippi, IV, 346; New England, XI, 39, XII, 74, XXII, 43, 53, 54; New York, III, 126, IX, 43, XXII, 56; Ohio, IV, 105, IX, 239, XXII, 152; Pennsylvania, IX, 61, 62, XII, 181, 319, XXII, 64, 130, 132; South Carolina, XI, 103; free, compared, 66, 96; segregated, XXII, 43; American attitude toward, VIII, 332, IX, 47, 61, 62, X, 317, XI, 39, 95, 100, 122, 167, 170, 178, 259, XII, 200, XXII, 45; discrimination against, IX, 61, X, 194, 213, XII, 306, XIX, 130; mobbed in New York, XXIV, 192; effects of slavery on owners, XI, 14, 15, XII, 105, XXI, 40; quadroons, VIII, 13, 336, XIII, 139. See also Confederacy, Indians: slavery, Mulattoes, and Southerners.

- Negundo trees, observed by Maximilian, XXIII, 192.
- Nehebada. See Long Neck.
- Neild, —, philanthropist, IX, 202.
- Neill, E. D., *Minnesota*, XXIV, 97.
- Neilson, —, ferryman, III, 53.
- Neiswonger (Neisanger), Peter, scout and ranger, IV, 10; in Marietta (Ohio), 133-135.
- Nekomi, Indian wife of Cabanné, XXIX, 372.
- Nelson, —, pilot, IV, 260.
- Nelson, John, emigration to Oregon, XXX, 55.
- Nelson, Joseph, Indian trader, I, 62.
- Nelson (N. Y.), Evans in, VIII, 125.
- Nelson County (Ky.), settlement in, XXVI, 193.
- Nelumbium*, described, XIV, 219, XV, 171; abundant, XVI, 182; imbedded in limestone, XIV, 143; in Omaha Creek, 289; *luteum*, V, 72, XIV, 309.
- Nemacolin, Delaware Indian, I, 95.
- Nemaha City (Nebr.), site, XXII, 260.
- Nemaha County (Nebr.), river in, XIV, 217.
- Nemastylis caelestina*, discovered by Nuttall, XIII, 202.
- Nemophila*, discovered by Nuttall, XIII, 206.
- Neotacha (Neogche: those who build a town at the entrance of a river) Indians, XV, 132.
- Nepicrenian Indians, habitat, VIII, 234.
- "Nereid," in Fort Vancouver, XXIX, 118.
- Nesbit, Gen. —, British officer, II, 57.
- Nesmith, James W., Indian commissioner, XXX, 16.
- Nespelein Indians, population, XXVII, 319.
- Ness County (Kans.), Walnut Creek in, XVI, 229.
- Netawatwes (the newcomer), Delaware chief, I, 210, 211; village, XXIV, 153.
- Netherton, —, tavern-keeper, X, 64.
- Netlan, Skagit chief, gives Christian instruction, XXIX, 153.
- Nets, leno, XI, 68; fishing, VI, 249, 383, XXI, 265; mosquito, VIII, 89, XIII, 255.
- Nettle-tree. See Hackberry.
- Nettles (*urtica divaricata*), III, 29; abundant, XIII, 234, XIV, 93, XVI, 245, 285; Indian garments made of, XIII, 323.
- Neuville, Hyde de, French minister to United States, XII, 47, 48.
- Nevada, boundaries, XXX, 93; Ute in, XVIII, 140.
- Neville, John, in Whiskey Rebellion, IV, 253.
- Neville (Ohio), settled, XXII, 155; Maximilian in, 154.
- Nevitt, Capt. —, in Shippingsport (Ky.), IV, 260.
- New Albany (Ind.), location, X, 62, XII, 230, XIX, 68, XXIV, 142; former names, III, 66, XI, 197; as a boundary, XII, 12; hot springs near, XIV, 73; turnpike, XXIV, 139; manufacturing town, IV, 259; steamboats in, XXII, 159; cholera, XXIV, 142; horse thieves, X, 46; Quakers, 81;

- Faux, XI, 199; Hulme, X, 44, 63, 64; Long, XIV, 77; Welby, XII, 227; Woods, X, 245; described, 44, XIV, 73.
- New Albion, Vancouver's name for Northwest Coast, VI, 186; Drake discovers, XXVIII, 36.
- New Albion (Ill.), founded by Flower, XII, 256, 257; market, 260.
- New Alexandria (Pa.), described by Maximilian, XXII, 138.
- New Amsterdam (N. Y.), Dutch in, VIII, 42; becomes Buffalo, XIX, 143.
- New Archangel (Alaska), Russian-American Company in, VI, 258; sketch, VII, 234.
- New Baltimore (Ohio), Maximilian in, XXIV, 151.
- New Bedford (Mass.), prosperity of, XXI, 23; Lambert in, 306; Ogden, XIX, 11, 23; *Gazette*, 102.
- New Biscay (Mex.), Indian incursions in, XVIII, 373; becomes Chihuahua, 349.
- New Bourbon (La Nouvelle Bourbon), abandoned, XIV, 99.
- New Brunswick (N. J.), location, XXII, 60; rivers, XVII, 246; sandstone, XVI, 68; character of soil, IX, 49; roads, 49, 51; Flint in, 48; described, XXII, 61.
- New Caledonia, boundary, VII, 194; rivers, XXIX, 79, 252; capital, 276; described, XXVIII, 15; Indians, XXVII, 307, 378, XXIX, 253, 259; fur trade, VII, 38, 102, XXIX, 58, 129; posts, VI, 251, XXIX, 59, 278; missions, XXVII, 369, XXIX, 134, 143, 182, 183, 231, 273, 301; missionaries, XXVIII, 17, XXIX, 120, 134, 135, 137, 182, 274, 275; Fraser, 256; McBean, 287; Ogden, XXI, 315, 344.
- New Castle (Del.), brig "Guyoso" in, IV, 377.
- New Castle (Pa.), location, I, 249; formerly "Old Kuskuskis," 26.
- New Comerstown (Ohio), sketch, XXIV, 153.
- New Connecticut, called Western Reserve, IV, 91; described by Evans, VIII, 186, 187. See also Western Reserve.
- New Diggings (Mo.), lead mine, V, 251, 252.
- New Dungeness (Oregon), population, XXIX, 98.
- New England, latitude, IX, 188; as a boundary, XXI, 100; climate, VIII, 256, 266-268, XIX, 70, 110, 111, XXVIII, 183, 253, 324; described, XXVI, 53, XXVIII, 103; mountains, XV, 183, XVII, 188, 237; geological features, XIV, 55, 78, XVII, 243, 244, 249, 250, XIX, 55; plants, VIII, 221, 314, 331, XIV, 75, 94, XV, 177, 294; cattle, VIII, 331, 348, XXI, 26; agricultural conditions, XIX, 70, XXVIII, 276; cost of living, III, 201; compared, VIII, 348; Indians, I, 191, XXIV, 183; politics, VIII, 282, IX, 256, XXI, 14; courts, VIII, 344; seaports, XXVI, 361; seamen, XXI, 9; exports, VIII, 219; manners and customs, IV, 50, 312, VIII, 268, 337; characteristics of people, III, 20, 23, IX, 148, 163, XIII, 60, 61, XVIII, 329, 346, 347, XXI, 22-25, 32, 41, 44, XXVI, 310, 311; diseases, XVI, 132, XXVII, 95; Sabbath observance, XXI, 24, XXVI, 86; anti-slavery agitation, XIX, 99; prejudice against, XXI, 33, 35; Puritans in, VIII, 13; Quakers, XIX, 12; Fancher, XV, 202; Flagg, XXVI, 43, 355; Louis Philippe, III, 217; President Monroe, VIII, 79; Prentice, IV, 187; Webster, XXIV, 180; emigration from, III, 267, V, 296, VIII, 57, 75, IX, 148, X, 282, XIV, 67, XIX, 26, 34, 80, XXIV, 184, XXVI, 85-87, 200, 211, 303, 306, 307, 310, 311, XXVII, 34, XXVIII, 10; societies for, XXI, 10, 100, 101, XXVI, 307; route, IX, 97; as pioneers, III, 55, 253, IV, 311, XII, 120, XXI, 51, 83, XXVIII, 15; in Louisiana, XIX, 221; Maryland, XXI, 34; Mississippi, IV, 307; Ohio, I, 130, III, 34, 358, IV, 11, 124, 152, XIII, 60; Pennsylvania, VIII, 122, XXII, 32; invest in Kentucky, XIX, 40; as fur-traders, II, 47, XXI, 57; missionaries, II, 67; *Gazette*, cited, XIX, 102-112; *Magazine*, cited, XXI, 100; *Weekly Review*, editor, XXVI, 29. See also the several states.

- New Feliciana (Fla.), Louisiana parish, IV, 336; alcaldes in, 336; Cuming, 332; Estevan, 336.
- New France, officials, I, 25, 114, XXVII, 35, 91; Franchère in, VI, 13; histories, XIII, 116, XXX, 19. See also Canada, and French.
- New Franklin (Mo.), settled, XIV, 150, XIX, 188; described by Maximilian, XXII, 244.
- New Galicia, sketch, XIX, 258.
- New Gascony (Ark.), named by French, XIII, 140; bayou, 136.
- New Geneva (Pa.), glass-works, III, 162, IV, 253; sketch, III, 336.
- New Granada, independence of, XI, 112.
- New Hampshire, topography, VIII, 107, 110; climate, 267; natural features, 105, XIV, 56; distance from Detroit, VIII, 215; in wars, I, 191, VIII, 115; governor, 116; congressman, IV, 157; manufactures, VIII, 108; prices, III, 201; agricultural societies, 145; huts, 125; militia, X, 356; qualities of people, VIII, 110, 120; emigration from, IV, 157, VIII, 131, 276, XXI, 24, 73, XXVIII, 175; shares in canal, XXVI, 49; Evans in, VIII, 11, 13, 96-98, 108, 109, 191, 216, 349, 364; Gale, XIV, 230; Harris, III, 354; Parker, XXI, 335; Rogers, I, 101; Simpson, IV, 202; Storrs, XIX, 182.
- New Harmony (Ind.), location, X, 52; climate, XXII, 195; natural features, 191, 193; antiquities, 172, 174, 177; founded by Rapp, XIV, 109, XXII, 163, XXIV, 133, 155; Harmonists, X, 50, XI, 255, XII, 241, XXII, 140, XXIV, 133; purchased by Owen, XXII, 163; naturalists in, 13; negroes, 201; described, X, 53-61, 98-100, 312-316, XI, 250, 251, XII, 260-267, XXII, 164, 165, XXVI, 66, 67; road to, X, 325; market, 50, 139, 263, 264, 296, XI, 191, 192, XII, 105, 255; agriculture in, X, 296, 354, XI, 228, 229, XXII, 181, 183; gardens in, X, 315; price of corn, XXII, 183; quality of beer, X, 355; view of church, XII, 264; Birkbeck in, X, 47; Evans, XI, 220; Faux, 247, 248; Hulme, X, 51; Le Sueur, XXII, 170; Maximilian, 17, 162-198, XXIV, 129-133; Owen, 144; Say, XIV, 40, XXII, 187, XXIII, 245; Schoolcraft, XXVI, 146; Welby, XII, 268; Frances Wright, X, 155; *Gazette*, XXVI, 68; view of, XXV, 35.
- New Haven (Conn.), Buttrick in, VIII, 89; F. Morse, XII, 79; J. Morse, 50; Peabody Museum, XXVI, 105; *Journal of Arts and Sciences*, XIX, 32.
- New Helvetia (Cal.), named, XXX, 229; McDougall in, 89.
- New Holland, first settlers, IV, 30; plants, III, 132.
- New Jersey, described, XXII, 61, 62; boundary, XI, 106, XXII, 167; geographical nomenclature, 103; limestone, XVII, 248; timber, IX, 39, 50; apple orchards, III, 130; *cactus opuntia*, XV, 222; high prices for land, IX, 183; railway, XXII, 66; steamboat line, XII, 71; emigrants from, III, 254, IX, 72, X, 212, XII, 256; written ballot in, IX, 256; Delaware Indians, XXII, 96; Quakers, XII, 71; Germans, V, 312; militia returns, X, 356; Burnet in, IV, 257; Chambers, XII, 212; Forman, IV, 320; Franklin, I, 42; Frazey, IV, 96; Hunt, V, 36, VII, 40; Hunter, IV, 193; Anthony Hutchins, 326; Thomas Hutchins, XXI, 39; Jennings, XI, 158; Kearney, XVII, 12; Maclure, 202; Marshon, IV, 208; F. A. Michaux, III, 127; Morgan, IV, 240; Lewis Morris, I, 84; Robert H. Morris, 84; Muhlenberg, III, 135; Parke, IX, 278; Pike, VIII, 280; Welby, XII, 296; Wyeth, XXI, 30; "Glenthorn," IX, 27; "Guyoso," IV, 376.
- New Jerusalem (Kans.), founded by Mormons, XX, 74, XXVI, 334. See also Independence (Kans.).
- New Lancaster (Ohio). See Lancaster (Ohio).
- New Lebanon (N. Y.), Shakers in, IX, 299.
- New Light, religious sect, history of, XXVI, 335, 336.
- New Lisbon (Ohio), road, IV, 101.

New London (Conn.), trading-post, VIII, 38; Avery in, IV, 131.

New London (N. Y.), site, XXIV, 184.

New Madrid (Mo.), distance, XIII, 79; location, IV, 223, VIII, 303, 316; as a boundary, XVII, 38; swamp near, 121; compared with Cape Girardeau, 86; described, IV, 271, 272, 281, XIII, 77, 78, XIV, 123; militia, IV, 281; land scheme, 311, XXI, 133; Bradbury in, V, 201; Buttrick, VIII, 59; Cuming, IV, 281; De Soto, XIII, 323; Morgan, IV, 240; Nuttall, XIII, 77, 92; earthquake, V, 11, 210, IX, 247, XI, 181, XIV, 138, XV, 57, 177, XVII, 15, 89.

New Manresa, cavern of, XXIX, 178.

New Melleray (Iowa), Trappist monastery, XXVI, 193.

New Mexico, size, XIX, 278; boundaries, XVIII, 73, 90, 144, 329, XIX, 196, 232, 277, 278, XX, 83, 154; described, by Gregg, XIX, 277-299; by Malté-Brun, XVIII, 374-376; by Willard, 340-345, 349; mountains, 375; prairies, XX, 238; rivers, V, 266, XIII, 264, XVI, 80, XVII, 204, XVIII, 85, 139, XIX, 278, XX, 241; salines, XIX, 311, XX, 139, 244; vegetation, XVIII, 94, XX, 248; scarcity of fuel XIX, 298; animals, XIV, 213, XIX, 325-329; climate, XVIII, 340, 347, XIX, 251, 285, 286, XX, 257; mirage, XIX, 179; agricultural products, 252, 290, 294, 296, 339, XX, 55, 71; stock-raising, XVIII, 309, 340, XIX, 299, 312-314, 322-324, XX, 82, 249; mining, XIII, 152, XVIII, 86, XIX, 299-311; manufactures, 298, 337-339, 342, 343, XX, 156; commerce, XVIII, 10, 13, 325, 332, XIX, 177, XX, 156, 223, 236; customs, 148; early history, XVIII, 76, XIX, 16, 17, 163-165, 257-262; revolutions, 256, 272-277, XX, 237; government, XIX, 308, XX, 21, 22, 61, 62; constitution, XIX, 274; capital, XVIII, 78, XIX, 301; governors, XVIII, 76, XIX, 256, XX, 60; provinces, XIX, 15; laws, 320, 321, XX, 30; administration of justice, 28-32; American conquest, XVII, 12, XX, 26, XXII, 314, XXVIII, 71; first American governor, XIX, 221; Indians in, XIII, 363, XVI, 56, 117, XX, 67, 68; Pueblo, XVIII, 77, 130, XIX, 259, 269, XX, 54, 57, 59, 70, 91, XXIII, 270; Indian incursions, XVIII, 373; Apache, 109, 376, XX, 74, 82; Comanche, 348; Navaho, 72, 73; reservations, XVIII, 69, 164, XX, 75; missions, XVIII, 75; intermarriage with whites, XIX, 344; population, XVIII, 375, XIX, 284, 287, XX, 77; Spaniards among, XV, 207, XVI, 74, 77, 212, XXII, 310, XXVIII, 151; Texans, XX, 231; character of population, XVIII, 12, XIX, 286, 323, 324, 332, 336, 344-348, XX, 31; dress, XIX, 339-343; language, 331; religious ideas, XVIII, 85, XX, 38-49, 257; slavery, 30, 37; epidemics, XIX, 286, 287; marriage customs, XX, 49; social customs, 32-37, 191; hunting, XIX, 240, 241, XX, 23, 119; horsemanship, VI, 341, XIX, 313, 340, 341; carts, 337, 338; use of lasso, 320; professions, 332, 333; education, 329-331; press, 332; treatment of foreigners, XVIII, 346, XIX, 176, 177, 221, 306, 308, XX, 144, 145, 233; settlements, XV, 220, XVIII, 9, 86, XIX, 173, 259, 260, 284, XX, 150, 151, 156; largest town, XVIII, 86, XIX, 252; building materials, 301, 334-336; frontier, XVI, 122, XVIII, 12; roads, V, 66, XIV, 22, XVIII, 301, XIX, 182, XXVIII, 102 (see also Roads: Santa Fé trail); railway surveys, XIX, 241; raiding expeditions into, XVIII, 34, 47; mail service, XX, 148; Fourth of July celebrated, 61, 62; Abreu in, XIX, 273; Carrizal, XX, 158; Cristobal, 152; Gregg, XIX, 14, 15, XX, 72; Kearney, XIX, 187; Pattie, XVIII, 25, 38; Rowland, XX, 26; Stanley, XIX, 281; Vizcarra, XX, 72; Willard, XVIII, 331; Ewing Young, XX, 23; Joachim Young, 24; archives, XIX, 263; historical society museum, 284; governor's *Report*, XVIII, 73; views, XIX, 291, XX, 181. See also Mexico, and Spanish.

New Orleans, IV, 8, XII, 226, XIII, 308, 311, XVII, 226; as a boundary, XIV, 85, XVII, 89, XXVI, 63, XXIX, 293; climate, VIII, 61, 267, XIX, 110; site chosen by Bienville, XIII, 314; location, IV, 366, VIII, 313; distance from Baltimore, III, 159; from Louisville, X, 242, XI, 196; from mouth of Missouri, XVII, 172; from Pittsburg, X, 218; from St. Louis, XXII, 215; founding of, XIII, 307; seat of government, 351, XXVII, 56; languages spoken, VIII, 362, 363;

NEW ORLEANS (continued)—

opportunities for study of physiognomy, 357; roads, III, 255, IV, 112, 169, 327, XII, 203, 284; levees, IV, 358, XIX, 130; width of Mississippi at, XXVI, 110; depth, V, 238; port, IX, 164, XI, 62, XIII, 67, XVII, 88, 103, 158, 181; boats, IV, 358, VIII, 257, XXIV, 131, 132, XXVI, 74; line to Cincinnati, XIX, 129; Louisville, III, 239, 240, IV, 260, XII, 280; New York, VIII, 236, XI, 198, XIX, 151, XXVI, 126; Philadelphia, III, 159; Pittsburg, IX, 86, X, 218, XIX, 26; St. Louis, 48; Shippingsport, X, 75, XIII, 67; freight rates, IX, 286; early commerce, IV, 13, VIII, 276; trade centre, III, 39, 145, 158, 160, 168, 254, IV, 310, VIII, 269, 284, 293, 294, 339, IX, 149, 154, 156, 308, X, 59, 69, 142, 245, 253, 256, 326, XIII, 38, XIX, 38, 41, XXII, 151, 184, 203, 216, XXVI, 76, 149; market, III, 253, 266, 282, 343, IV, 264, 291, 292, 306, V, 199, 203, 211, 262, VIII, 59, 67, 297, 298, 325, 326, 329, 330, XI, 110, 143, 151, 155, 163, 165, 170, 179, 186, 192, 219, XII, 18, 236-238, 258, XIII, 45, 64, 68, 106, 107, 112, XIV, 109, XVII, 50, XIX, 126, XXVII, 50; cattle market, XIII, 311; coffee, IV, 353; prices, X, 108; corn, III, 169, 196; cotton, 252; flour, 31, 239; horse, 245; ice, XXI, 27; lumber, IV, 356, VIII, 269, XIV, 56, XVII, 121, XIX, 65; slave, VIII, 320, XI, 260; sugar, 301; tobacco, XXVII, 115; cholera in, XXI, 93, 94, 96, 97, XXII, 197, XXIV, 125; pestilence, XI, 186; yellow fever, III, 185, XIII, 315, 316; burial of dead, IV, 367; need of gospel, VIII, 345; Sunday observance, XXI, 94; cathedral, IV, 364; Ursuline convent, 368, VIII, 341; contributions to missions, XXVII, 191; museum, XIX, 127; courts, VIII, 344; land office, XIV, 138; mosquitoes, XI, 68; negro revolt, XIII, 313; orange groves, V, 212; sugar and molasses celebrated, VIII, 327; riots in, XII, 87, 92; orphanages, XIII, 309; streets, 307, 309, 316, XIX, 123, 124; summer residences, 131; character of population, VIII, 13; avaricious, 346; fashions, 347, XIX, 122; duelling, XI, 104; smuggling, IV, 359; Americans in, XIX, 124, 125; boatmen, IX, 302; brokers, III, 159; French, I, 305, IV, 277, V, 257, VIII, 12, 327, XXVII, 77, 86; fur-traders, XXVI, 145; Indians, XIII, 352, 357; lawyers and physicians, VIII, 345; merchants, III, 252, XI, 197, XXVI, 149; pirates, XII, 98; Presbyterians, XIII, 316; Croghan, VIII, 200; Brackenridge, VI, 10; Braddury, V, 10, 11, 25, 26, 197-199; Bullock, XIX, 13, 115, 119-121, 128; Buttrick, VIII, 10, 61, 62, 76, 77; Evans, 12, 13, 223, 256, 299, 325, 347, 349, 351; Farnham, XXVIII, 14; Kelley, XXI, 24; Nuttall, XIII, 14, 287, 294; Pattie, XVIII, 17, 317, 318, 321; Wyeth, XXI, 13, 91-97; other travellers, I, 148, 305, 328, III, 27, 39, 89, 167, 217, IV, 71, 122, 240, 245, 282, 323, 328, 332, 361, 362, V, 97, XI, 98, 116, 263, XIII, 106, 138, 307, 309, XIV, 18, 275, XV, 69, XVIII, 313, 368, XIX, 166, XXII, 13, 187, 272, XXVI, 148, 165, XXVII, 45, 198, XXX, 207; "Boone's Lick," XXIV, 131; "Constitution," XXI, 92, 93; "James Monroe," XI, 63; "New Orleans," IX, 154; "Water-witch," XXII, 158; "Yellowstone," 231; War of 1812-15, IV, 325, 343, IX, 154, 211, XVII, 67, XXVI, 57; battle of, III, 211, IV, 368, VIII, 349, XIX, 121, XXX, 174; described, IV, 361-369, VIII, 335-349, XIII, 314-318, XIX, 122-130, XXI, 95.

New Oxford (Pa.), formerly Oxford, III, 369.

New Park. See North Park.

New Philadelphia (Mo.), site, XXII, 244.

New Portage (Ohio), sketch, XXIV, 157.

New Richmond (Mass.), Jessup in, XIV, 40.

New Richmond (Ohio), Flint in, IX, 148; Maximilian, XXII, 155; Woods, X, 234.

New Rochelle (N. Y.), Le Conte in, XV, 166.

New Salem (Ohio), Spaulding in, XXVIII, 51.

New Salem (Pa.), Maximilian in, XXII, 138.

New Spain. See New Mexico.

New Stockbridge (N. Y.), Indians in, VIII, 127.

New Store (Pa.), becomes Elizabeth, III, 162.

New Switzerland (Ind.), settled, X, 239, 240.

New Town (Ohio), described by Maximilian, XXII, 147.

New Town (Va.), Faux in, XI, 153.

New Utrecht (N. Y.), described by Flint, IX, 34-43.

New Westminster (B. C.), capital, XXIX, 58.

New York (city), described by Bullock, XIX, 154; by Faux, XII, 75-79; Franchère (1810), VI, 192-194; Flint, IX, 30-34, 43-47, 53; Maximilian, XXII, 57-60, 62; Welby, XII, 165, 166; described to Indians, XXVII, 393; 1810 and 1848 contrasted, VI, 402; compared with Washington, XI, 164; views of, IX, 29, XII, 171, XXII, 56, XXV, 33; as a port, III, 240, VI, 197, 198, 229, VII, 10, 193, 251, VIII, 180, 236, IX, 53, 96, XI, 198, XII, 98, XXII, 46, 53, XXIV, 189, XXVI, 126, XXIX, 127, XXX, 111; harbor, IX, 45, 46, 316, XXV, 33; forts of, IX, 42; ferry, XII, 164; stage routes to, III, 133, 313, IX, 31, 34, 48, 51, 67, 315, XII, 76; as commercial centre, III, 122, 177, VIII, 117, 120, 182, 220, 249, 252, IX, 308, XII, 76, XIX, 26, 123; banking centre, IX, 223, X, 187, 188, XI, 105, XII, 164; industrial progress, IX, 59; tradesmen, III, 201, VIII, 250, X, 67, XI, 133; land values, IX, 39, X, 11; building material, XVI, 68, XVII, 202; climate, IX, 183, XII, 164; sanitary conditions, III, 120, 125, IX, 53, 54, XI, 159, XII, 172, XXII, 54, 56, 60, 65, 68, 127; quarantine, IX, 28, XII, 162, 163; population, III, 126, VI, 193, IX, 43; character of people, VIII, 125, IX, 47, XII, 164, 196; crimes, 166, 300, 301, 333; riots, XXIV, 192; prison, III, 201; markets, IX, 36, XVII, 50; shops, XII, 165, 166, XXII, 57; auctions, IX, 59; public garden, VI, 192, 193; taverns, IX, 62; churches, VIII, 241, IX, 47, XII, 76; theatres, XXVI, 11; processions, IX, 146; artists, XXII, 236; merchant princes, 235; physicians, III, 206, 275, XII, 315; infirmary, VIII, 88, 89; medical college, XV, 166, XVII, 46; board of health, XII, 172; public institutions, XXII, 59; scientific institutions, XV, 166, XVI, 48, XXII, 84; historical society, III, 21; in French and Indian War, I, 103, IX, 328; Revolution, I, 147, IV, 118, VI, 192, IX, 36; headquarters for fur trade, V, 36, 37, 224, VI, 14, VII, 38, 39, 162, XXI, 113, XXII, 232, 233, XXVII, 401, XXIX, 60 (see also American Fur Company, Pacific Fur Company); Astor in, VI, 188, VII, 34, 233, XXII, 378; Astorians, VI, 195, 303, 318, 405-407, VII, 42, 186, 233; Franchère, VI, 15, 16, 191-193; ships for Astoria, VII, 235, 236; dispatches sent to, V, 224, VI, 275, VII, 186-188, XV, 237; immigrant port, IX, 68, 115, 164, X, 191, XI, 198, XIX, 26; travellers from, XII, 86; Bonapartes in, XXII, 65; Bradbury, V, 11; Bradstreet, I, 153; Bullock, XIX, 13, 119, 135, 154; Burr, XI, 160; Catlin, XXIV, 126; Christie, VIII, 189; Clinton, IX, 166; De Smet, XXIX, 109; Dow, IX, 156; Elliott, XI, 112; Emmett, 160; Evans, VIII, 12; Farnham, XXVIII, 14, XXIX, 26; Faux, XI, 13, 158, 159, XII, 79; Flagg, XXVI, 32; James Flint, IX, 25, 29, 48, 115; Timothy Flint, XVIII, 25; Flower, X, 91, 95, 105, 109, 146, 163; Gebhard, XXII, 85; Gregg, XIX, 167; Greenhow, XXVIII, 30; Guy, XII, 89; Hamilton, I, 57; Harper, XXVI, 18; Hinckley, XVIII, 317; Hoffman, XIX, 161; James, XVII, 226; Jones, XI, 121; Lancaster, 58; McKenzie, XXI, 45; Marshall, XXIV, 185; Matthews, VI, 261; Maximilian, XXII, 12, 17, 50, 54, 58, XXIV, 176, 191; Michauxs, III, 12, 125-129, 154; Monroe, XI, 128; Morris, I, 313, 328; Patterson, IV, 266; Paulding, XII, 65; Romeyn, 75; Sampson, 78; Sanford, XXII, 235; Scribners, X, 44; Terasse, IV, 188; Mrs. Voorhis, XI, 263; Weir, XXVI, 137; Welby, XI, 15, XII, 151, 163, 170, 270; Wood, VIII, 181; Worthington, IV, 218; Montgomery's remains interred, VII, 27, 28; Indians visit, XII, 51, XIV, 232; newspapers, IV, 79, XXIV, 133; *Advertiser*, XII, 75, XV, 154; *fagara*, III, 41; *Independent*, XXVIII, 124; *Knickerbocker*, XVIII, 25; *Medical Repository*, IV, 52, 121, XVII, 46; *Monthly Review*, III, 206; *Nation*, XIX, 301; *North American Review*, XI, 11, 12, 136,

NEW YORK CITY (continued)—

XIV, 22, 23, XVIII, 368, XXI, 16; *Outlook*, I, 185; *Philosophical Transactions*, III, 206; *Spectator*, XXIII, 324; *Sun*, XXVI, 11.

New York (state), topography, VIII 125, 126, 179, 180; drainage, V, 237, 274; mountains, 273, IX, 324, XVII, 107, 227, 237, 252; lakes, VIII, 129, XXIV, 179; salt areas, XIV, 58, XXIV, 181; geological formations, XVII, 244, 245, 248-251; timber, VIII, 181, XIV, 56, XV, 294; climate, VIII, 179; boundaries, IV, 332, VIII, 186; resources, III, 231, VIII, 120, 122, 127, 132, XIX, 70; antiquities, V, 254, XIX, 83, XXVI, 106, 152; oil interests, VIII, 57; manufactures, XXIV, 185; capital, 188 (see also Albany); public spirit, VIII, 117-119; ballot, IX, 256; governor, I, 26, VIII, 158, XVI, 48, XXIV, 151; senator, XII, 36, 55; lands, VIII, 42, XI, 161; purchased from Indians, VIII, 184, XII, 49, XXIV, 164, 165, 183; Indians in, I, 18, 25-27, 130, 167, II, 44, VIII, 148, 180, XXIV, 175, 183, XXVIII, 131; Germans, V, 312, XXIV, 187; Quakers, VIII, 184; manners and customs, 12, 125, 131; internal transportation, IV, 78, VIII, 120, 195, 219, IX, 315, XI, 154, XIII, 38, 44, XXII, 89, XXVI, 49; roads, VIII, 56, IX, 97; railroads, XXIV, 188; advantages for settlers, IX, 183, XI, 139, 143; emigrants return to, XII, 211; emigrants from, IV, 231, IX, 71, 97, X, 44, XV, 170, XXVI, 307, XXIX, 20, XXX, 51, 159, 181, 183, 224, 240, 249, 298, 301; crime in, IX, 167, 202, XIII, 292; bounty for wolves, VIII, 126; militia, I, 101, III, 365, X, 356, XV, 166; loyalists, XXI, 314; disease, XVI, 132; anti-slavery sentiment, IX, 37, XIX, 99; missionary society, XXIV, 175; Bell in, XV, 165; Bellestre, I, 108; Buttrick, VIII, 10; Cohoon, IV, 339; Croghan, I, 49; Evans, VIII, 12, 116-160; Hutchinson, IV, 229; Johnson, I, 88; Kane, X, 322; Long, II, 12, 210-213; McArthur, IV, 215; McLeod, XX, 205; Monroe, VIII, 79; Porter, 178; Post, I, 178; Smith, XIX, 237; Thompson, XV, 165, 166; Wheeler, XII, 21; Young, XXIX, 371; archives, I, 51; *Colonial Documents*, cited, I, 45, 50, 74, 88, 94, 97, 100, 126, 145, 148, 153, 154, 159, 170, IV, 60, XXVII, 68, 78, 79.

New York Mills (N. Y.), cotton factory in, XXIV, 185.

Newark (Can.), population, VIII, 166; in War of 1812-15, 182; Evans in, 166; originally Niagara, IX, 321.

Newark (N. J.), location, XII, 167; sandstone, XVII, 252; canal, XXII, 90; F. A. Michaux in, III, 130; Schenck, IX, 305.

Newark (Ohio), population, XXIV, 152; Ohio and Erie canal, 152; Flint in, IX, 298, 305; Maximilian, XXIV, 152; Wilson, XI, 174.

Newburg (Ind.), site of Mountplace, XIII, 69.

Newburgh (N. Y.), boundary, V, 296, XVII, 251.

Newbury (Mass.), Jacques in, XXVII, 67.

Newbury (N. Y.), Maximilian in, XXIV, 190.

Newcastle (Del.), Faux in, XII, 66, 68; Welby, 325.

Newcastle (Ohio), coal mines near, XXIV, 154.

Newcastle (Pa.), location, XI, 106; Faux in, 111.

Newcomer, Indian chief, I, 79.

Newell, —, in Cadron (Ark.), XIII, 157.

Newell, David, land owner, XI, 172.

Newell, Dr. Robert, founds settlement, XXX, 179; on Tualatin Plains, 168; with Palmer, 15.

Newelstown (Ohio), Cuming in, IV, 232.

- Newfoundland, icebergs near, XIX, 154; gulf stream, VIII, 361; vessels, XII, 159, XXIV, 193; Long visits, II, 31, 205, 206.
- Newhaven (Ill.), location, X, 258, 328; Woods in, 257, 265.
- Newhitty Indians, with Ayres, VI, 293; village, 289.
- Newman, —, in Tennessee, III, 58.
- Newmarket (Ont.), Henry in, VI, 313.
- Newport (Ky.), origin of name, X, 330; location, VIII, 281, XIX, 35, 134, 138; described, X, 238, XIX, 37; arsenal at, IV, 256; troops, XVII, 103; ferry, X, 237.
- Newport (Md.), Welby in, XII, 292.
- Newport (Mo.), Pattie in, XVIII, 37.
- Newport (Ohio), Harris in, III, 371; Maximilian, XXII, 149.
- Newport (R. I.), fortifications, XXII, 55; trade, III, 122.
- Newport (Tenn.), road, III, 58.
- Newspapers, domestic and foreign, XI, 56, 111; prices, III, 291; English, X, 104, 182; number in United States (1811), VI, 162; popularity of, XI, 134, XXII, 181; plentiful, XI, 173; scarce, XXVI, 350; printed by Indians, XXVIII, 137; denominational, XXVI, 14; impudence of, VIII, 105; privileged, III, 292; politics in, IX, 87, XXVI, 272; omit criminal proceedings, IX, 166; advocate schools, 153; home manufactures, 269; comment on wages, 226; employment advertisements, XII, 302; on canal boats, XIX, 152; in libraries, X, 143, 144; Arkansas, XIII, 293; District of Columbia, XII, 65; Georgia, 309, 310; Illinois, X, 135, XXVI, 310; Indiana, IX, 164, 295; Kentucky, IV, 187, 196, IX, 132, 287, XIX, 101; Louisiana, XI, 186, XIX, 166, XXI, 96; Maryland, 33; Massachusetts, 32; Mexico, XX, 50, 77, 78, 83; Missouri, V, 89, 198, XIV, 148, XX, 95, XXVI, 10; New Mexico, XIX, 331, 332; New York, VIII, 88, IX, 29, 43, XIV, 26, XXIV, 133; North Carolina, III, 291, 292; Ohio, IV, 217, IX, 102, 113, 118, 228, 241, 300, XVIII, 17; Oregon, VII, 116, XXVIII, 275, XXX, 159, 160, 311; Pennsylvania, III, 342, 343, 364, IV, 51, 79, XXII, 117; South Carolina, XII, 74, 310; Tennessee, III, 251, 267, 270. See also Books, Education, and Libraries.
- Newtown (L. I.), Faux in, XII, 77.
- Newts, classification, XIV, 46.
- Nez Percé Indians, stock, VI, 340, VII, 137; affinity, XXVIII, 303, XXIX, 288; tribes, VI, 340, VII, 208; habitat, VI, 340, XXVII, 332, XXVIII, 291, XXIX, 185, XXX, 108; population, VI, 340, XXVII, 166, XXIX, 98; described, XXI, 218, 219, 272, XXX, 235-239; physique, XXI, 272; mental characteristics, VII, 215, 216, XXIV, 227, 228, XXIX, 358, XXX, 237, 238; language, XXVIII, 331, 339, 342-345, XXIX, 96, XXX, 235, 236; dialect, XXVII, 387; vocabulary, XXX, 271-276; hunting, XXVII, 349, XXIX, 403, XXX, 231; manners and customs, XXI, 196, XXIII, 98, XXVIII, 356; intertribal relations, VI, 337, XXVII, 289, 290; with Blackfeet, 352, XXIX, 343, 362; Crows, 328-331, 335; Flatheads, 328, 329, 345, 350; Kalispel, XXVII, 360; Palooos, XXIX, 288; Shoshoni, VII, 270; relations with whites, XXI, 279, 280, XXX, 222, 238, 239; with traders, XXI, 192, 225, XXX, 229; with Palmer, 15, 108; Mackenzie, VII, 214; Wyeth, XXI, 196; battle with United States troops, XXIII, 83; treaty, XXX, 16; Catholic missions among, XXVII, 192, 318, 319, 330, 377, 379, 392, XXIX, 325, 345, 357; Presbyterian missions, XXI, 335, 352, XXVII, 284, 389, XXVIII, 338, 342, XXIX, 95, 126, XXX, 283.
- Nez Percé County (Idaho), mission in, XXVIII, 338.

- Nezumonee, Osage chief, XVI, 274.
- Niagara (Can.), originally Newark, VIII, 166.
- Niagara (N. Y.), frontier, VIII, 10, XIX, 148; boundary, XXIV, 164; Five-Mile Flat, VIII, 166; Indians at, I, 32, 154, 160, II, 44, 48, 217, XIX, 150; in War of 1812-15, VIII, 182, 217, 240; battle of, 182, XIV, 283, XXIII, 223; siege, I, 163; evacuated by British, XXIV, 165; population, 165; scenery, 165; stage, 165; steamboat lines, 162; railroad, 162; suspension bridge, 174; taverns, 177; travellers at, I, 12, 54, 166, VIII, 79, IX, 313, 321, XXIV, 165, 172; sketch, 165. See also Falls: Niagara, Forts: Niagara, and Rivers: Niagara.
- Niagara County (N. Y.), first judge in, VIII, 178; village in, XXIV, 178.
- Niatohsa (little French man, or French child), Grosventre chief, XXIII, 135; portrait, 70.
- Nicholas, Blackfoot chief, XXVII, 351, 352, XXIX, 346, 349.
- Nicholas, Flathead chief, XXIX, 408.
- Nicholas, Wyandot chief, I, 29, 124.
- Nicholas, George, Mississippi navigation plan, III, 18, 44; law student, VIII, 287.
- Nicholas, Robert Cary, lawyer, III, 44.
- Nicholas County (Ky.), IV, 176, XXX, 120.
- Nicholasville (Ky.), Cumming in, IV, 176, 199.
- Nicholls, —, in Indiana, XI, 218.
- Nichols, C. A., on "Beaver," VI, 276.
- Nichols, George, settles Fulton (Mo.), XXI, 131.
- Nicholson, William, poet, IX, 44.
- Nickel oxide, observed by Nuttall, XIII, 67.
- Nicolay, C. G., *Oregon Territory*, XXIX, 34.
- Nicolet, Jean, French explorer, II, 183, 186.
- Nicollet, Jean Nicolas, geographer, on Missouri River, XXVII, 154, 190.
- Niebuhr, Karsten, sketch, XV, 268.
- Nigh (Nye?), Widow —, in North Carolina, III, 99.
- Nightingale, song, XXIV, 108; Virginian, see Redbird.
- Nih-Yu-Máh-Ni (la pluie qui marche), Iowa Indian, XXII, 272.
- Nilco Indians, origin of name, XIII, 353; inundation, 337; relations with Spanish, 331-333, 337.
- "Nile," Ohio River steamboat, XXII, 147.
- Niles, Hezekiah, *Niles' Register*, VI, 288, XVI, 208, XIX, 182, 186, XXI, 34, XXVIII, 13, XXX, 39, 253, 256.
- Niles (Mich.), French fort at, I, 117.
- Nine Mile Prairie (Mo.), settlement in, XXX, 32.
- Ninotch-Kiaiu (chief of the bears), Blackfoot chief, XXIII, 88, XXIV, 227; camp, XXIII, 143; superstitions, 152; relations with Blood Indians, 128, 131, 138-141, 157, 163; relations with whites, 127, 128, 134, 145, 149; portrait, 127.
- Niobrara (Nebr.), site, XXII, 285.
- Nipigon, post, II, 87; district described, 10, 11, 27, 87; hardships, 91, 186; Indians, 134-137.
- Nipissing (Nipissingue) Indians, language, XXIII, 191; North West Company employ, VI, 309.

- Nisbet, Dr. Charles, college president, IV, 48.
- Nisqually (Wash.), climate, XXIX, 84; farming settlement, 95-97, 127; Indians, XXVII, 387, XXIX, 99; Methodist mission among, XXVII, 388, 389; Catholic mission, XXIX, 120, 129-131, 141, 142; population, XXVII, 387.
- Nitrates, of lime, XIV, 81, 83; of potash, 81-83.
- Nitre, observed by Gregg, XX, 247; abundant, V, 247, XXI, 40; impregnates soil, XXVIII, 117, XXIX, 46; deposits, V, 275, XIII, 56, 259; manufacture, V, 247, XIV, 81; used as remedy, XII, 273.
- Nitschmann, Bishop David, on Lehigh River, XXII, 77.
- Nitschmann, Martin, killed by Indians, XXII, 125.
- Nitschmann, Susannah, killed by Indians, XXII, 125.
- Niverville, Jean Boucher, sieur de, erects fort, VI, 375; explores Bow River, XXIX, 218; sketch, I, 191.
- Noapeh (troop of soldiers), head-dress, XXIII, 100; portrait, 17 XXV, 45.
- Nobili, Father Giovanni, missionary, XXIX, 137, 142; zeal, 273; baptizes, 275-277; at St. Francis, 183; Vancouver, 179; New Caledonia, 182, 259, 273-279; Fort Colville, 274; letter, 274-279; sketch, 137.
- Noble, —, Pennsylvania senator, IX, 71.
- Noble County (Okla.), Oto in, XXVIII, 146.
- Nodowa. See Nadowa.
- Nodowessie Indians. See Naudowessie.
- Noian, —, deserter, XVI, 263, 264.
- Nolan, Louis, in Columbia (Ill.), XXVII, 105.
- Nolan, Philip, Texas filibustering expedition, XVII, 76.
- Nolan, Smallwood, drowned, XX, 97.
- Noland (Norland), Henry, in Logstown, I, 31, 32.
- Nolin, —, on Sault Ste. Marie, VI, 395.
- Nootka (B. C.), Kendrick and Gray in, XXI, 24; "Tonquin" at, VI, 289.
- Nopals, habitat, XV, 311.
- Nordenskiöld, N. O. G., *Cliff Dwellers of Mesa Verde*, cited, XX, 55.
- Norfolk (Va.), Birkbeck in, XI, 271, XIX, 43.
- Norfolk & Western Railway, III, 46.
- Norman, Corp. —, hunting, XIV, 277.
- Norridgewock Indians, habitat, XXVII, 65; extermination, 66-69.
- Norris, James, farmer, IV, 314, 315.
- North, Christopher, fishing tackle of, XXI, 209.
- North America, geological formation, XVII, 187; physical geography, 187; rivers in, XXII, 55; mountain outlines, 91; prairies, XXVI, 340-348; character of vegetation, XXII, 52; growth of trees, XIV, 69; forests, XXII, 81; botanical explorations, XIII, 18; catalogue of plants, XIV, 154; scenery, XXII, 99, 103, 144; highest land, XXI, 185, XXIX, 258.
- North American Fur Company, posts, XXX, 60, 61.

North Bend (Ohio), founded, IV, 256, XXII, 154; Harrison in, XII, 237, XXIV, 138.

North Carolina, III, 287, IV, 68, XI, 65; as a boundary, X, 35; boundaries, III, 267, 271, 284; includes Tennessee, 61; Tennessee separated from, XIX, 94; drainage, I, 135, 136, III, 99, V, 237, 274; climate, XVII, 84, XXX, 289; fruit culture, III, 298, 299; oaks, 128; roads, 56, 100; yellow fever, 119; draught horses, 244; Indians, I, 34, VIII, 158, XIII, 177, XXIV, 175; pirates, XII, 98; militia, III, 365, X, 356; import powder, III, 202; population (1800), 305; written ballot, IX, 256; emigrants from, III, 192, 262, VIII, 63, 64, X, 266, 317, XV, 175, XVII, 58; Adams unpopular, III, 293; Blount governor, 59, XVII, 22; Franklin senator, IV, 52; Davenport in legislature, III, 56; Scotch-Irish in, 55; Alexander, IV, 204; Atkinson, XIV, 10, XXII, 229; Avery, III, 55; Bryan brothers, XVIII, 29; Carter, III, 98; Chambers, X, 62; Fulton, III, 89; Gist, I, 91; Hays, III, 93; Hutchins, IV, 326; Innes, I, 98; Lawson, XV, 245, 257; Lockert, XIII, 147; McCrary, XI, 294; A. Michaux, III, 53; F. A. Michaux, 283; Phillips, IV, 296; Nuttall, XIII, 12, 17; Pyeatt, 152; Robertson, III, 62, 251; Sibley, V, 66; Tipton, III, 57; Williams, IV, 324.

North Dakota, climate, XXII, 386; lignite area, 364; bad lands, XXIII, 52; highlands, 244, rivers, XXII, 367, XXIII, 313, XXIV, 84; Indians, XIII, 133, XV, 57, 58, XXII, 19, XXIII, 270, XXIV, 13; Fort Berthold, V, 113.

North Hempstead (L. I.), Cobbett in, X, 19, 22.

North Park (Colo.), divide, XXVIII, 225; source of North Platte, 229; buffalo in, 199, 229, 266; other game, 221; called New Park, 221.

North Platte (Nebr.), location, XV, 238; astronomical observations, 251.

North Point (Md.), battle of, XII, 290.

North St. Louis, Flagg in, XXVI, 258.

North West Company, organization, II, 15, 16, 167, VI, 242, VIII, 222, XXIX, 52; headquarters, VI, 399, IX, 327; methods, II, 169; partners, VI, 253, 254, 282, 295, 298, 299, 346, 375, 393, 396, 405, VII, 38, 216, XXI, 269, XXIX, 58, 202, 248; employees, V, 70, 156, VI, 32, 187, 188, 251, 252, 273, 274, 282, 284, 294, 295, 297, 301, 316, 345, 358, 366, 379, 380, 384, 386, 393, VIII, 230, XXI, 314, 344, 361, XXIII, 152, XXIX, 247; two classes, VI, 389; Long with, II, 13; McKay, XXI, 201; McKenzie, 45; McLoughlin, 296; relations with Indians, VI, 296, 304-312, 379, XI, 145, XXVII, 230; explorations, VI, 354, XXIX, 218; expedition to Oregon, VI, 255, VII, 38, 101, 102, 138, 139, 217, XXIX, 117; rivalry with Astor's company, VI, 297, VII, 10, 37, 38, 40, 151, 204, 205, 238, 244; bring news of war, VI, 280; purchase Astoria, V, 37, VI, 14, 173, 188, 189, 241, 260, VII, 239, 244, 246, XXIX, 117; receive transfer, VI, 304, VII, 243, 246, 253; Astorians join, V, 36, 37, 181, 224, VI, 14, 295, 316, 336, VII, 10, 174, 181, 247, 248, 262-265; in Astoria, VI, 296, 302, 336, VII, 101, 249; expedition to interior, VI, 303-312, VII, 254, 264; on Spokane River, 201; routes, VI, 384; brigade to Canada, 336-398; rivalry with Hudson's Bay Company, 17, 282, 381, 386, VII, 35, XXIV, 12, XXIX, 52; union, V, 37, VI-313, 346, 386, VII, 10, XXII, 233, 234, XXIX, 57, 61, 118, 132; control Mackinac Company, VII, 35; prosperity, 216, XXI, 9; in War of 1812-15, VIII, 209, 393-395; vessels, II, 81, VI, 282, 295, 392, VII, 244; posts, east of Rockies, II, 79, VI, 252, 304, 313, 370, 371, 374-376, 379, 384, 392, 393, XXIII, 61, 353; in the Rockies, VI, 252, 357, 361, 364, XXIX, 37, 235; west of Rockies, VI, 242, 251, 252, 277, 295, 298, 299, 313, VII, 210, XXIX, 41, 56, 195; on Hudson Bay, VI, 282; Lake Superior, 375, 386-389; purchased, XXIX, 37, 56; built, XXI, 278; abandoned, VI, 355; prohibit liquor traffic, XXIX, 100.

Northampton (Ind.), Woods in, X, 245.

Northampton (Pa.), incorporated with Allentown, XXII, 127.

- Northampton County (Pa.), boundary, XXII, 78; capital, 89; population, X, 245; massacre of Moravians, I, 87; Hays in, 234.
- Northcop, Capt. —, commands "Lark," VII, 251; bargain with Hunt, 261, 262.
- Northern Pacific Railway, route, VI, 245, VII, 141, XXVII, 340, 362, XXIX, 81, 174, 290, 307.
- Northrup, Capt. —, pilot, VI, 315, 316.
- Northumberland (Pa.), lawyers in, IX, 56.
- Northumberland County (Pa.), seat, I, 237; Germans in, 288; Post, 188; iron foundries, XVII, 234; senator from, XXII, 112.
- Northwest Coast, explorations, VII, 14, XXIX, 29, 132; by Americans, XXVIII, 37; French, VI, 27; Russians, 258; Spaniards, XXIX, 76, 116, 145; conflicting claims, VI, 17, 186, XXVIII, 30-39; expeditions to, VI, 185, 187, VII, 112, XXIX, 72; Indians, VI, 288; trade, 240, XXI, 9, 10, XXIX, 61; colonization, VII, 9, XXX, 9, 11, 19; missions, XXVIII, 16; maps, VI, 233; surveys, XXIX, 131; natural features, XVI, 205, XXVIII, 373. See also British Columbia, Oregon, Sounds: Puget, and the several nations.
- Northwest Territory (Old Northwest), latitude, IX, 188; boundaries, III, 173, X, 268, XV, 140, XIX, 53, XXVII, 106; divisions, VIII, 186, 235, 290; climate, V, 274, 275, 283, 284; natural features, 274-284; conquered by Americans, IV, 104, XIII, 134; organized, I, 141, III, 22; capital, IV, 256; Congressional jurisdiction, X, 268, XIX, 79; officials, III, 178, IV, 323, XIX, 58; legislature, XI, 209, XXVI, 256; military posts, II, 27, 46-52; English retain, 46, 48-52, 219, 220; early settlements, IV, 256, IX, 110, 188, 191, XXVI, 143; militia returns, X, 357; industries, V, 285-288; prohibition of slavery, IV, 218, IX, 191, XXVII, 51; first library, IV, 127; historical societies, XXVI, 31; Bradbury describes, V, 273-294; Croghan visits, I, 115-118; Evans, VIII, 223; Symmes, XXII, 154; emigration from, XXX, 29. See also Ohio, Indiana, Illinois, Michigan, and Wisconsin.
- Norway House. See Forts: Norway House.
- Noteribe (Notrebe, Notrobé), Frederick, in Arkansas Post, XIII, 106, 293.
- Notre Dame, sisters of, as missionaries, XXIX, 137; found school, 139. See also Catholics.
- Notre Dame de Bon Secours, Trappist monastery, XXVI, 193.
- Noué, Sieur de la, erects Fort Tekamamaouen, VI, 384, 386.
- Nouqua Indians, habitat, VIII, 234.
- Nova Scotia, Indians of, II, 29; land grants, 126; Loyalists, 219; governor, I, 103; Maximilian in, XXII, 39.
- Nowland, Mordecai, with Long, XVII, 98.
- Nozundojje (He who does not dodge), Omaha Indian, XIV, 268, XV, 90, 91.
- Nudd, William, with Sublette, XXI, 78; deserts Wyeth, 65; killed by Indians, 72.
- Nueva Viscaya. See Biscay.
- Nuevo Leon (Mex.), capital, XVIII, 361.
- Nugare, Indian name for ground-apple, XIV, 294.
- Numa Pompilius, quoted, XXVII, 26.
- Numangkake, name of Mandan, XXIII, 253.
- Numank-Machana (Numohkmuckanah), Mandan deity, XXII, 350, XXIII, 301, 324-326; legend, 305-312.
- "Number 4," American gunboat, VI, 194.

Nummulite, described, XIV, 227.

Nunns, Annie Amelia, aid acknowledged, XXX, 19.

Nut-trees, species compared, III, 129, 160; habitat, 197, 209, 219, 262, 299, VIII, 193. See also Nuts.

Nutcrackers, resemblance to jay, XXIII, 169.

Nuthatches (*sitta*), migration, XXII, 127; observed, 166; varieties, XV, 321, 322, 326.

Nuts, abundant, VIII, 256; as fodder, 256, XI, 212. See also Nut-trees.

Nuttall, Thomas, English naturalist, sketch, V, 38, 39, XIII, 11-18; Missouri expedition (1810), V, 38, 48, 167, VI, 64, 102, 140, 152, XIII, 12, 46; Arkansas expedition (1818-20), V, 153, XIII, 12-14, XV, 200, 307, XXII, 9; down Ohio, XIII, 47-71; purchases flat-boat, 66, 67; on Mississippi, 71-97, 294-314; Arkansas, 99-101, 128-198, 227-240; at Fort Smith, 198-206, 277-280; expedition to Red River, 206-227; expedition to Grand River, 241, 242; land expedition, 263-277; down the Arkansas, 280-293; at Natchez, 300-306; New Orleans, 314-318; at Cambridge (Mass.), XXII, 49; Oregon expedition (1834-36), XIII, 15, XXI, 12, 14, 113, 141; St. Louis to Independence, 123-135; aids Townsend, 192; at Fort Hall, 226; at Columbia, 291-309, 325; meets missionaries, 279, 292; McLoughlin, 296; at Vancouver, 298; explores Willamette, 300; visits Hawaii, 306-309; returns East, 334; equipment, XIII, 47, 108, XXI, 136; dress, XIII, 109, 275; hunting, 109, 230; adventures, 130, 217, XXI, 277, 280, 290; accidents, XIII, 74, 75, 83, 84, 101, 108, 272; lost, 218; hardships, 54, 273, XXI, 224, 225; illness, XIII, 244, 252, 253, 266-270, 273, 277, 279; losses, 62, 218, 253; encounters storms, V, 52, XIII, 48, 55, 60, 70, 79-81, 96, 135, 195, 268, 275, 291, 308; relations to Indians, 72, 73, 133, 190, 245-252, 256, 257, 269, 270, 274-276, XXI, 312; collecting specimens, VI, 102, 140, XIII, 293, XXI, 176, 179, 180, 314; geographical nomenclature, XVII, 12; observations, XIII, 148, 180, 196, 200, 266, 365, 366; collections, 29, XVII, 218, 219, XXI, 289, 306, XXIII, 244, 245; botanical discoveries, XIII, 13, 199, 202, 206, 209, 213, 216, 217, 220, 229, 235, 241, 263, 271, 273, XV, 171, 200, 308, XXI, 176; natural history notes, XIII, 28, XIV, 74, 84, 94, 154, 227, 250, XV, 219, XVI, 185, 283, 287, XVII, 66, 89; map, XIII, 147; writings, III, 15, XIII, 28, 168, XV, 242, 249, XVI, 171; *Travels into Arkansa Territory*, XIII; cited, V, 39, VIII, 317, XIV, 65, 73, 86, 243, XV, 130, 133, 187, XVI, 11, 13, 23, 42, 61, 77, 80, 85, 139, 175, 183, 185, 189, 191, 265, 274, 281, 283, 288, XVII, 23, 52, 227, XVIII, 73, XIX, 50, 68, 132, 177, XXI, 121, XXII, 49, 219, XXIV, 144, 145, 163, XXVI, 115, 126, XXVII, 40.

Nyack (N. J.), sandstone in, XVI, 68, XVII, 202, 252.

Nymphæa advena, observed by Nuttall, XIII, 224; *adversus*, XXII, 68; *kalmiana*, XVII, 16.

Nyssa, III, 90; habitat, XVI, 168; abundant, 152, 183, XVII, 87; observed by Long, XVI, 165; *aquatica*, III, 59, XIII, 105; *biflora*, III, 302, XIII, 105; *montana* (black gum), III, 74, 83; *olivier* (olive), 79; *villosa*, 302.

"OAK HILL," country seat, XI, 152.

Oak Point (Oregon), population (1839), XXIX, 98.

Oakley, —, with Farnham, XXVIII, 98, 276, 277.

Oakley, J., with Long, XV, 191, XVII, 12, 98.

Oaks: habitat, III, 152, 153, 160, 209, 262, 280, 293, 297, IV, 250, 338, 351, 354, VI, 38, 44, 46, 49, 53, 70, 71, 74, 76, 78, 88, 246, 247, 262, 320, VII, 229, VIII, 181, 199, X, 75, 204, XII, 188, XIV, 76, 85, 158, 161, 168, 186, 200, XVII, 63, 118, 149, 223, XIX, 61, 71, 77, XX, 218, XXI, 301, XXII, 129, XXVI, 209, 343, 344, XXVII, 62, 101; size, X, 210, 214, XII, 230, XXIV, 124,

XXVI, 59; abundant, VI, 243, XIV, 129, XV, 166, 170, XVI, 162, 183, 184, 188, 240, XVII, 31, 42, 43, 55, 58, 71, 83, 87, 92, XVIII, 375, XXII, 51, 62, 73, 79, 83, 87, 90, 98, 110, 116, 118, 129, 136, 137, 148, 159, 189, 198, 215, 231, 242, 254, XXVII, 103, XXIX, 86, 87, 166; observed by Bell, XVI, 242, 256, 281, 287; Farnham, XXVIII, 63, 359, 369; Flagg, XXVI, 175, 182, 184, 187, 219, 244, 304, 308, 321, 330; Flint, IX, 75; Gregg, XIX, 196; Long, XVI, 80, 165, XVII, 16, 18, 29, XXII, 311, 341, 384, XXIV, 107, 136, 173, 178; Nuttall, XIII, 57, 110, 161, 207, 209, 211, 218, 223, 227, 271; Palmer, XXX, 34, 44, 45, 164, 165, 171, 175-177, 181-183, 206, 295, 297; Welby, XII, 192, 288; Woods, X, 185, 186, 252; soils adapted to, XIV, 184; scanty, XV, 300, 309, XVI, 166, 180; small, 285; stunted, XII, 235, XV, 289, 291, 307; burned, XXII, 102, 109; mistletoe on, XI, 213; clapboards of, XXVI, 209; fences, III, 134; acorns as fodder, V, 257; bark used, 311, XXII, 199, 309, XXIV, 125; branch as tongs, XXVI, 332; described by Maximilian, XXII, 48, 51, 58, 61.

Varieties: III, 128, V, 279, XXII, 69. Black (*quercus tinctoria*), habitat, III, 127-129, 139, 147, 160, 212, 215, 230, 288, IV, 221, 250, 272, IX, 121, XIII, 105, 213, 271, XVII, 115, 143, XX, 250, XXIV, 134, XXVIII, 55; as timber, X, 277; for rafts, I, 281; for dyeing, III, 200, XXIV, 125. Blackjack (*nigra*), III, 73, 92, 219, 229, 302, V, 254, X, 306, XIV, 111, XVII, 13, 116, 118, 123, 143, XX, 253, 255, XXVI, 144, 162. Bur — see over-cup, below. Chestnut (*prinus*), III, 59, 61, 62, 65, 66, 73, 75, 83, 302, 303, IX, 121, XIII, 42. Chinquapin, XIII, 226, 271, XXII, 80. Dwarf, IV, 221, 224, XX, 118, 156, 255. Green, III, 73, 74. Kermes (*coccifera*), XXII, 88. Laurel, X, 306. Live (*virens*), VIII, 268, 312, 316, XVIII, 87, 107, 118, 120, 278, 281. Mountain (*montana*), III, 230, XIII, 226, XVII, 77. Over-cup (*lyrata*, or *macrocarpa*), III, 61, 62, 68, 73, 92, 229, 280, 302, V, 255, 279, XIII, 89, 105, 242, XVI, 252, XVII, 115, 116, 123, XX, 250, 256, XXII, 166, XXX, 36. Pin (*palustris*), III, 302, 303, X, 306, XIII, 105. Post (*obtusiloba*), III, 219, 302, V, 254, X, 306, 347, XIII, 105, 211, 213, 271, XVI, 151, XVII, 13, 52, 116, 118, 123, 143, XX, 249, 253, 255, XXI, 301; durability, V, 279; value, XVII, 116. Red (*rubra*), III, 49, 59, 61, 62, 65, 66, 73, 75, 83, 127, 139, 147, 160, 230, 288, X, 306, XIII, 85, 104, 105, 271, XIV, 128, XVII, 77, 115, XXII, 210. Scarlet (*coccinea*), IX, 121, XIII, 104, 105, 234. Scrub (*catesbei*, or *ilicifolia*), III, 302, XIII, 38, XVI, 92, 146, 152, 246, 260, XVII, 124, 134, 135, XVIII, 340, XX, 275, XXII, 99. Shrub, XXVI, 181, 201, 258, 286. Spanish (*falcata*), VIII, 299, X, 306, XIII, 104, 105. Swamp or water (*aquatica*, *bicolor*), III, 61, 127, 302, 303, XIII, 104, XXVI, 365. Upland white, XVI, 162. Upland willow (*cinerea*), III, 128. White (*alba*), habitat, III, 49, 59, 65, 66, 73, 90, 92, 127, 139, 142, 147, 153, 160, 197, 302, 303, IV, 74, 272, VIII, 208, 245, IX, 121, X, 306, XII, 248, XVI, 151, XVII, 63, 77, 115, 123, 143, XX, 115, XXVIII, 216, 356, 358, 369, XXX, 36, 173; abundant, XXIX, 14, 50, XXX, 170, 205; foliage, XXII, 66; age, XIII, 53; height, 226; as timber, III, 79, IX, 255, XIV, 76, XXII, 129; value, XVII, 116; acorns, X, 347. Willow (*phellos*), III, 62, XIII, 85, 105, XXII, 146; (*banisteri*), III, 140, XV, 294; (*castaneaefolia*), III, 28; (*cerroides*), 66, 68, 73, 90; (*ferruginea*), XXII, 66; (*latifolia*), III, 68; (*pinnatifida*), 59, 62; (*praemorsa*), 59, 61, 66; (*tomentosa*), 59, 62.

Oakum, as calking, XXI, 31.

Oats, wild, XIV, 275, XVIII, 226, 286; wild rice resembles, XXVIII, 154; soil adapted to, XVII, 31, 111; cultivated, IV, 190, V, 260, X, 295, 296, XI, 187, XIX, 31, XXII, 61, 73, 183, XXIX, 18, 40, 87, 90, 322, XXX, 32, 33, 189; fields of, VI, 379, 388, X, 209, 211, 293, XI, 106; in Kentucky, III, 240; Ohio, IV, 224; Pennsylvania, III, 134, 151, 153; Tennessee, 281; West Virginia, IV, 236; time of harvest, V, 310, XIX, 76; scarce, X, 62, 202; abundant, XIX, 71, XXIX, 22; luxuriant, IX, 254; quality, 254, 279, X, 189, 211, 353, XII, 178; amount produced, V, 315; production per acre, XI, 137, 176, XVII, 106; prices, IX, 139, X, 74, 296, XI, 176, XII, 22, 196, XIX, 68, XXX, 219; market, III, 122; as fodder, 243, 244, IX, 39, XXX, 289; meal, eaten, V, 299, XXIX, 132.

Obee, Maj. —, Seneca Indian, VIII, 56.

Oblate Fathers, direct mission, XXIX, 232, 254, 255, 277.

Obolaria virginica, observed by Long, XIV, 62.

O'Brien, —, planter, IV, 338, 343.

O'Brien, —, surgeon, VI, 303.

O'Brien, Capt. —, captured by Algerines, IV, 172.

Obsidian, where found, XXIII, 278; implements of, XXVI, 147; observed by Townsend, XXI, 233.

O'Callaghan, E. B., *New York Colonial Documents*, I, 26; other works, 163.

Ocaté (N. Mex.), camping site, XX, 93.

"Oceana," De Smet on, XXVII, 194.

OCEANS —

Arctic (Frozen, Northern), as a boundary, XVII, 244, XXVIII, 156, XXIX, 28, 52, 53; in Indian legend, 379; plains of, XXVIII, 9; watershed, VI, 367, XXIX, 263; tributaries, VI, 354, 358, XXIX, 43, 254, 263; animals, XXII, 381; Russians on, VII, 270; expeditions, VI, 187, VII, 38, XXVIII, 31, XXIX, 63, 131.

Atlantic, IV, 68, IX, 248, XI, 190; as a boundary, X, 35, 150, XIV, 47, XVI, 177, XVIII, 359, XIX, 78, XX, 329, XXI, 28, 65, 100, XXII, 13, XXVI, 103, XXVIII, 29, XXIX, 52; level, XIV, 49, XXII, 110; watershed, XVIII, 140, XXX, 71; character of country, V, 273; recession, IX, 49; tributaries, XVIII, 155, XXI, 37, XXVI, 111, XXVII, 212, 225; communication with Pacific, XXVIII, 30; storms, VI, 198, 200, XXII, 37, XXVIII, 195; commerce, VII, 37, 45, XII, 136, XIX, 126, XXIV, 153, XXIX, 95; wax-myrtle on, XIII, 289; colonization, XXI, 105, XXVI, 143, XXVII, 34, 48, 74; travellers, X, 165, 261, XXVI, 15, XXIX, 293. See also Atlantic Coast.

Pacific, VIII, 149; Indian name for, VII, 163; color, XXI, 317; character, 68, 102, 104; tides, XVIII, 202-204, XXVIII, 378, XXIX, 68; islands, 60; breezes, XXX, 284; watershed, XVIII, 140, XXIX, 263, XXX, 71; distance from Rocky Mountains, XXIX, 29; from Mississippi River, V, 239, 240; communication with Atlantic, XXVIII, 30, 114; with Missouri River, XXI, 21; as a boundary, VIII, 230, 299, IX, 192, X, 35, 268, XVIII, 359, XIX, 78, 217, XX, 329, XXI, 22, 28, 65, 69, 79, 100, XXVII, 377, XXVIII, 9, 11, 29, 37, 150, 156, 219, 295, XXIX, 28, 34, 53, 69, 115, 146, 293, XXX, 18, 215, 283, 292, 296; tributaries, VII, 152, 231, XVIII, 147, 155, XX, 251, XXI, 33, 278, XXVI, 14, 266, XXVII, 35, 212, 225, 373, XXIX, 43, XXX, 191, 297; Indians on, VII, 113, 276, 298, XIII, 322, XX, 295; seals, XXVIII, 368; shells, XXIII, 289; colonization, VII, 114, XXI, 23, 28, 101; Lewis and Clark's expedition to, V, 153, 254, 262, VIII, 296, XIII, 134, XVI, 38, XVIII, 9, XIX, 62, XXI, 102; other travellers, V, 14, 35, 179, 224, 228, VI, 14, 299, XIII, 15, XV, 237, XVII, 236, XVIII, 19, 24, 151, XXI, 31, 98, 113, 132, XXVIII, 274, 380; commerce, V, 224, VI, 208, VII, 36, 37, 235, XV, 237, XIX, 160, XX, 224, XXI, 306, XXX, 166, 293. See also Pacific Coast.

Ochagach, incites Western exploration, II, 87.

Ochiltree County (Tex.), Camp Comanche in, XX, 122.

Ochkih-Hadda, evil spirit of Mandan, XXIII, 269; worshipped, 302, 318; image of, 269, 370, XXIV, 22.

Ochre, on Kenhawa River, V, 278; Yellow Banks, XIV, 179.

"O'Connell," grounded, XXII, 205.

O'Connellstown (Pa.), mountains near, XVII, 249.

- O'Connor, Don Juan, in West Florida, IV, 332-334, 337, 341, 344.
- O'Fallon, Maj. Benjamin, Indian agent, XII, 49, XIV, 11, 18, 269, XV, 32, 99, XVII, 154; characteristics, XV, 210; joins Long's expedition, XIV, 126, 157, 276; instructions to Dougherty, 248; holds Indian councils, 230, XV, 146-149, 155-157, 162-164; speeches, XIV, 176, 177, 239, 244, 258, 262, 314-317, XV, 347, 349, 351, 352, 355, 356; makes treaty, XXIV, 50; messages, XIV, 187, XV, 143, 144, 354, 355; expedition to Pawnee, 140-165; relations with Indians, XIV, 188, 239, 240, 262, XV, 142, XVI, 233; presents horses, XIV, 199, XV, 164, XVI, 260; entertains Maximilian, XXII, 14, 236, XXIV, 126; presents map, XXII, 236; fossils, XXIII, 242; sketch, XII, 49, XIV, 126.
- O'Fallon, Dr. James, Kentucky pioneer, XII, 49, XIV, 126.
- O'Fallon, Col. John, in St. Louis, XIV, 126, XXVI, 259; excavates mounds, 155.
- Ogallala (Ogallalla, Oglala) Indians, Teton band, XXII, 326; habitat, XXX, 60; population, XXVII, 166; hostile, 150.
- Ogallala (Nebr.), springs near, XV, 258.
- Ogashy, Indian enemy of Long, II, 142, 143, 176.
- Ogden, —, supercargo on "Lark," VII, 252.
- Ogden, —, founder of Ogdensburg, II, 47.
- Ogden, George W., *Letters from the West*, XIX, 11, 12, 21-112, XXI, 43, XXVI, 81, 94, XXVII, 38, 106; sketch, XIX, 11, 12.
- Ogden, Isaac, in Quebec, XXI, 314.
- Ogden, Julia, character of, XXI, 315.
- Ogden, Peter Skeen, Hudson's Bay Company factor, XXI, 314, 344; on "May Dacre," 315; relations with De Smet, XXVII, 374, 379, XXIX, 193; purchases land, XXX, 200; river named for, XXVIII, 113; sketch, XXI, 314.
- Ogden (Utah), Ogden names, XXI, 314.
- Ogden's Hole (Utah), Ogden names, XXI, 314.
- Ogdensburg (N. Y.), location, IX, 323; founded, II, 47; sketch, IX, 313.
- Oglethorpe, James, biography, III, 21.
- Oguahpa (Ouyape) Indians. See Quapaw.
- O'Hara, Gen. James, proprietor of Grant's Hill (Pa.), IV, 250; on Suke's Run, 251; builds glass works, III, 343; sketch, IV, 78.
- Ohio Indians, tribes of, II, 43, 62; relations with Iroquois, I, 60, II, 43; with English, I, 39, 54, 60, 78, 79, 89, 179, 253, 255, 256, 257, 261, 262; with French, 53, 54, 76, 77, 79, 195; presents to, 12, 39, 40, 42, 58, 70, 72, 77, 238, 246, 250, 290; meet Croghan, 109; Post among, 182, 193-208, 234-237; in Virginia, 94; Detroit, 115, II, 50; policy, I, 28, 186; claims, 92.
- Ohio, IV, 235, 322, VIII, 272; origin of name, XXVI, 53, 54; area, V, 287, XIV, 105, 106; boundaries, IV, 102, 104, 191, 257, VIII, 187, 208, 255, 265, 283, 290, IX, 100, X, 238, XII, 270, XIX, 65, 68, XXIV, 136; topography, VIII, 255, IX, 307-310, X, 223, XVII, 107-115; geological formation, V, 294, 295, IX, 122, 126, 127, 281, XIII, 219; climate, VIII, 256, 267, IX, 183, 185, 187, XIX, 77; drought, X, 138, 139; earthquakes, XI, 180, 181; hurricane, X, 259, XI, 183; latitude, XIX, 53; quality of soil, IX, 184, XI, 168; country described, V, 294, VIII, 12, 283, XII, 16, 18, 19, 205, 207, 212, 213, XIX, 65, XXIV, 151, 157; animals, III, 234, XV, 324; coal fields, XIV, 57; granite, XXII, 384; prairies, V, 294, IX, 119, XXVI, 346; rivers, VIII, 193, X, 225, 231, 235, XIX, 66, XXII, 151; area drained by Mississippi, V, 237; by Ohio, 274;

OHIO (continued)—

oil springs, XIV, 57; salt springs, V, 276; trees, VIII, 268, XVII, 116; weeds, XIV, 75; fossils, IV, 121, IX, 131; natural curiosities, VIII, 270, 271; Indians, IV, 144, 222, XI, 182, XIII, 193, XVI, 47, XVIII, 30, XIX, 196, XXII, 96, 200, XXVIII, 137; Indian mounds, XXII, 149, XXIV, 148, XXVI, 330; early travellers, XXX, 18; land surveys and sales, IV, 117, 124, 215, IX, 11, 119, 122, 189, X, 231, 320, 330, XI, 14, 176, 182, XII, 60, 69, XIV, 106; prospects for immigrants, V, 298, XIX, 115; early settlements, IV, 142, VIII, 196, XXVI, 75; first cabin, I, 181, XXIV, 156; emigration to, IV, 91, 96, 256, V, 272, IX, 72, 97, 164, XI, 111, XIX, 80, 151, XXI, 33; emigration from, XI, 176, XXX, 69; pioneers in, X, 266, XXVII, 96; population, III, 66, 161, 311, IV, 201, 210, 212, V, 287, IX, 236, XIV, 67, XVII, 111; character of population, III, 357, 358, IV, 256, IX, 68, XII, 205, XIV, 67, XIX, 33, 92; manners and customs, IV, 212, XI, 178, XII, 276; forts, VIII, 207; canals, XXVI, 49, 66; roads, III, 195, IV, 8, 103, 112-114, X, 65, 208, 232, 327, XXIV, 152; constitutional convention, IV, 160; first constitution, V, 289, XIX, 78; becomes a state, III, 161, 173, 354, IX, 151, X, 268; capital, IV, 125, XII, 222; largest town, XIX, 35; form of government, V, 290, XIX, 78; Brown, governor, IX, 308; McArthur, IV, 215; St. Clair, III, 178, 179; laws, IX, 123, 214, 221, XI, 180; slavery forbidden, IX, 68, 112, XXII, 152, XXIV, 145; merchants, XIX, 177; physicians, XIII, 61; commerce, III, 158, 252, VIII, 195, 219, 222, 269, 293, XI, 151, XII, 18; agriculture, VIII, 275, 304, X, 303, XI, 177, 178, XVII, 108, XIX, 70, XXIV, 148; cattle raising, VIII, 256, IX, 80, 119, XXII, 146, XXIV, 148, XXX, 258; flour industry, III, 240, VIII, 78; lumber, 269; manufactures, X, 51, 73, XII, 16, 283; banks, IX, 133, 209, 219, 310, XI, 223; militia, IV, 160, 201, 231, 232, X, 356; penitentiaries, IX, 202; schools, XIV, 105, XXIV, 150; Bradbury, V, 11; Buttrick, VIII, 83; Cuming, IV, 9, 201, 213, 225; Evans, VIII, 195; Faux, XI, 172, XII, 19; Flint, IX, 9, 113; Nuttall, XIII, 53; Ogden, XIX, 21; Welby, XI, 16, XII, 275; Woods, X, 222, 230, 231; travellers and early settlers, IV, 106, 130, 205, 207, 218, X, 232, XI, 170, XXII, 149, XXIV, 150, XXX, 49, 51, 89, 142, 151-153, 249; described, XIX, 76-94; *Gazetteer*, 82-92, XXIV, 155, 160, 161; *Navigator*, III, 334; archæological and historical society, *Publications*, I, 95, 125, III, 186, VIII, 200, 207, 264, XIX, 77, 88, XXVI, 215; *Quarterly*, XXIV, 149, 155; *Bibliography on Earth-works of*, XIX, 88.

Ohio & Mississippi Railway, XXIV, 141.

Ohio Canal Company, XII, 280, XXIV, 156.

Ohio Company of Associates, I, 20, III, 34, 158, 354, XIII, 59; formation, 22; trading-post, I, 95; forts, 56; Putnam superintendent, III, 311; employs Gist, I, 53, 91; Montour, 27.

Ohio County (Ind.), emigrants in, XXIV, 142.

Ohio County (Pa.), Shawnee in, I, 23.

Ohmahank-Numakshi. See Numank-Machana.

Oil-cloths, as equipment, XXVIII, 46.

Oil-stones, quality, XVII, 50; Missouri, 50; Washita, XIII, 168, XVII, 44; quarries, 50.

Oils, manufactured, X, 303; from mustang flesh, XX, 262; article of trade, XXI, 23, 28, XXIX, 60; bear's, XIII, 259; fish, XXIX, 283; nut, XIX, 297; seal, XXI, 320, 359; shrub, III, 149-151; sweet, V, 315; train, XXII, 38.

Ojeda, Bartolomé, captured by Spanish, XIX, 269.

Ojibway (Ojibewa, Ojibua) Indians. See Chippewa.

Ojo Calientes (Mex.), railway station, XX, 159.

Ojos Bonitos, pueblo ruins, XX, 69.

- Oka, Indian mission village, II, 58.
- Okanandan, Indian chief, plunders Crooks and McClellan, V, 110.
- Okanogan County (Wash.), fort in, VI, 260.
- Okeehedee, Mandan devil, XXIII, 302.
- Okinagan Indians, Conconulp family, VII, 272, 275, 276; origin, 273, 274; habitat, 275, XXIX, 278; number of tribes, VII, 275; population, 276, 278, 370, XXVII, 166, XXIX, 278; physique, VII, 279, 280; migration, 296-298; language, 275, 276, 280; character, 280, 310; government, 278, 279, 300; occupations, 280; hunting excursions, 282, 283, 296-298; religion and spiritual condition, 274, 275, 277, 286-291, 304, 310; laws, 296, 300, 301, 303, 307, 308; condition of women, 278, 280, 281, 283-286, 303, 310; children, 305-309; dress and ornaments, 276-283, 303, XXVII, 372; war, VII, 276, 300-302; peace, 300, 301, 307; crime, 303, 304, 307, 308; food, 280, 298, 299, XXVII, 372; slavery, VII, 302; trade, 277, 300, 304; amusements, 291, 293, 294, 297; dexterity, 283, 309; baths, 293, 294, 300; winter homes, 295, 296, 298; methods of calculating, 304, 305, 309; Christianity among, XXVII, 370, 377, 381, XXIX, 191; diseases, VII, 291; funeral customs, 302, 303; Ross among, 12, 299, 310.
- Okippe, festival of, XXIII, 302, 312, 341; described by Maximilian, 324-333.
- Oklahoma, extent, XXVIII, 128; boundary, XVI, 138; hills in, 130; creek, 246; Santa Fé trail, XIX, 229; Arapaho, V, 225, XV, 157; Cheyenne, V, 140; Comanche, XX, 111; Iowa, XXVIII, 145; Kansa, V, 67; Kickapoo, I, 139, XXVIII, 141; Kiowa, XV, 157; Mascoutin, I, 139; Osage, XXVIII, 132; Oto, V, 74; Potawatomi, XXVIII, 134; Sauk, 142; Indian reservations, VI, 51, 61, XVI, 95, 233, XXVIII, 150.
- Okra, in Baton Rouge, IV, 339.
- Olathe (Mo.), location, XIX, 193.
- Old Diggings (Mo.), lead mine, V, 251.
- Old Franklin (Mo.), site, XXII, 244; land office, XIV, 150; Marmaduke in, XIX, 181; Rector, 63.
- Old Heart (Stiff Foot), Blackfoot chief, XXIII, 88.
- Old Ignace. See Mousse, Ignace la.
- "Old Ironsides," American frigate, VI, 197.
- Old Kuskuskis. See Kuskuskis.
- Old Park, wars for possession of, XXVIII, 262; buffalo in, 266; described by Farnham, 306.
See also Middle Park.
- Old Star. See Little Hawk.
- Oldtown (Md.), Cresap in, I, 95, IV, 117.
- Oldtown (Ohio), size, IX, 302.
- Olean (N. Y.), emigrant port, XIV, 59; Buttrick in, VIII, 56, 57.
- Oleanders, cultivated, XXII, 67.
- "Olive Branch," New York steamship, IX, 48.
- Oliver County (N. Dak.), creek in, XXII, 341.
- "Oliver Newberry," Erie steamboat, XXIV, 160.
- Olives, cultivation of, XIII, 115, 301, 314, XVII, 29.
- Olmstead (Ill.), post-office, XXVI, 78.
- Olumpias, Delaware chief, I, 37.
- Olympia (Wash.), road, XXX, 212.

Olympian Springs (Ky.), IV, 211, 212.

Omaha (Maha, Omawhaw) Indians, origin of name, XIII, 117; stock, XIV, 233, XVII, 156, XX, 297, XXIV, 223; branches, XV, 115-118; habitat, V, 58, VI, 50, 84, XV, 130, XXII, 268, XXVIII, 121, XXIX, 230; migrations, XIV, 307; boundary, VI, 109, XXIX, 147, 148, 152; population, V, 86, 90, VI, 84, XVII, 152, XX, 341, XXII, 277, XXVIII, 121; described, V, 86, VI, 28, XIV, 288, XVII, 151, XXII, 268, 271, 274-276, XXVIII, 146, 147; physical characteristics, V, 90, XV, 72; mental, V, 89, 90, XIV, 281, 321, XV, 12, 14, 20, 33, 34, 37-39, 72, 96, 97, 110-113, 122; language, V, 89, XIII, 119, XIV, 293, XV, 22, 136, XVII, 152, XXII, 252, 284; nomenclature, XV, 51, 129, 145, XXII, 265; dialect, XXIV, 208; vocabularies, XIV, 18, XVII, 289-298, 301-303, XXIV, 280-285, 294; telegraphic signals, XIV, 296; hieroglyphics, XV, 58, 59, 84; religion and myths, XIV, 282, 292, 293, XV, 16, 22-39, 41, 50-52, 67, 72, 79, 81, 100, 103, 110, 115-121, 123, XXIV, 57; medicine men, XV, 20, 40-48, 52-55, 57, 58, 80, 81, 116, 118; counting time, 17, 40, 74, 75; villages, V, 86, 317-320, VI, 150, XIV, 288, 289, XV, 132, XXIV, 104, 107; lodges, XIV, 295, XV, 25, 26, 130, 142; bridges, 139, 140; occupations, XIV, 289, XV, 14, 25-29, 142; hunting, XIV, 260, 267, 268, 289, 291, 294-302, 308, 311, 312, XV, 12, 13, 25, 116, 140, 142; agriculture, V, 90, XIV, 289, 302, 303, XV, 128; manufactures, 72; fishing, 78; domestic animals, 79; food, XIV, 260, 275, 303, XV, 48, 76, 77; implements, XIV, 270, 307, XV, 29, 76-78, 86; dress, 21, 48, XVI, 272; ornaments, XV, 21, 72, 73, 117; painting body, XIV, 294, XV, 73, 74, 85-87; artistic works, 73, 77; manners and customs, XIII, 127, XIV, 25; women and marriage, V, 80, 81, XIV, 290-294, 300-305, 312, 313, XV, 11-20, 22, 25, 27-32, 35, 36, XX, 339; children, V, 87, 88, XV, 19-24, 36, 87; half-breeds, XXII, 259, 266; treatment of aged, XV, 41, 42; games and dances, XIV, 294, 306, 307, XV, 22, 85-88, 123-127, XXII, 273, 274, XXIII, 295; pipes and smoking, XV, 14, 45, 46, 53, 81, 84, 100, 116, 122-124, 290-293, 296-298; intoxication, XIV, 269, XV, 49, 50; feasts, XIV, 289-293, XV, 80, 86; self-torture, 15, 26, 67; caches, XIV, 294, 302; numbering, 296; criers, 290, 292, 293, 296; chiefs and government, V, 82, 85, 89, 222, VI, 82, XIV, 281, 300, 313-321, XXII, 277, 278; councils, XIV, 289-293, 297; police, 297; war-customs, 285-288, XV, 79-88, 318; weapons, 77, 78, 126, XXII, 269; diseases and remedies, V, 90, XIV, 300, 317, XV, 18, 19, 43-48, 53, 91; mortuary customs, XIII, 266, XIV, 317, 318, XV, 25, 26, 29, 66-68, 85, 117, XXIII, 360; intertribal relations, XIV, 232, 233, XV, 113; with Iowa, XIV, 272, XXII, 257, 267; Kansa, XV, 90, 91; Osage, XIII, 134; Oto, XIV, 277, XV, 89, 90, XXIV, 106; Padouca, XV, 90; Pawnee, XIV, 277, XV, 87, 88, 125, 126, 200; Ponca, V, 96, XV, 88, 89, XXII, 285, 286, 291, XXVIII, 147; Quapaw, XIII, 117; Sauk, XIV, 314, 315; Sioux, V, 109, XV, 99; relation with whites, V, 90, XIV, 258-261, 275, 285-287, XV, 110; with traders, V, 74, 106, VI, 50, XIV, 275, 309, 310, 318, XV, 27-32, 78, 195; treaty with, XXIV, 315, 316; agents, XIV, 126, 288, XV, 95, 96, XXII, 267; presents to, XIV, 262, 287; relations with missionaries, XXVII, 284; Bradbury among, V, 86-89, 190; Hunt, VI, 82; Swift, XIV, 269; posts among, 258, 268, XXII, 223, XXIV, 106; portraits, XXII, 269; *Omaha Indian Music*, V, 116.

Omaha (Nebr.), site, VI, 78, XVIII, 10, XXII, 15, XXVIII, 145; posts near, XVIII, 38, XXII, 272; Indians, V, 74, 86; settlements near, VI, 12.

Omahank-chika, Mandan evil spirit, XXIII, 302.

Omintook, Indian game, VII, 107.

Onas, Indian name for governor of Pennsylvania, I, 34, 36, 77, 90.

Oñate, Don Juan de, founds colony, XIX, 260; privileges demanded, 260, 261; expedition on Río del Norte, XVIII, 86; subjects Indians, 130, XX, 59, 63; establishes San Juan, XVIII, 78; Santa Fé, 76; names El Paso, XIX, 268; Socorro, XVIII, 86; conquers Tabira, XIX, 301; memorial, 259-261; sketch, 259.

Onawa (Iowa), site, XV, 193.

One Eye (Le Borgne, Kakoakis), Minitaree chief, V, 161, VI, 140; physique, V, 162; cruelty of, 161, 162, VI, 140, 141; influence, 140; dines with Lisa, V, 167; war exploit, XV, 97, XXIII, 358; slain by Red Shield, 220; sketch, V, 162.

Oneida (Oneyout) Indians, habitat, I, 167, 187, II, 45, XXIV, 183-185; Iroquois tribe, I, 167, II, 43, 44, VIII, 127, XXIV, 163; population, I, 31, XXIV, 183; number of warriors (1765), I, 167; chiefs, 27, 28, 235; relations with Tuscarora, VIII, 158; Housatonic, 127; in Revolution, II, 54, VIII, 180, XXIV, 163; relation with English, I, 30, 42, II, 211; Long among, 210, 212; King a member, I, 279; White, XXIV, 185; annuity from United States, 183; sketch, 182, 183.

Oneida Castle, council building, XXIV, 183; Tuscarora in, 175; road, 184; sketch, 183.

Oneida County (Idaho), creek in, XXX, 90.

Oneida County (N. Y.), site, XXIV, 182; boundary, 183; Indians in, 182, 183; villages, 184; Historical Society, 185.

Ongpatonga. See Big Elk.

Oniadagarehra, Indian, in Logstown, I, 42.

Onions, habitat, IV, 262, XX, 258, XXIX, 196; cultivated, X, 209, 305, XXII, 206, XXVIII, 334; plentiful, IX, 60; article of food, 161; of trade, XVIII, 349, 350, XXI, 298; Charleston market, III, 122; method of exportation, XVI, 282; prices, XIII, 112; wild (*allium reticulatum*), XVIII, 334; abundant, XXII, 367; described, XV, 196, XXIII, 55.

Onistahna (chief of the white buffalo cow), principal chief of Blackfeet, XXIII, 158.

Onistaistamik (white bull), Indian chief, XXIX, 364.

Onnemay, Indian chief, II, 161.

Onondaga (Fr. Onontague) Indians, in Iroquois league, II, 43, 44, VIII, 127; habitat, I, 167, II, 45, VIII, 126, XXIV, 163, 180, 183; dress, 181; supreme over Ohio Indians, 90, 92; in Fort Duquesne, 201; relations with English, 30, 201-203; present from Philadelphia, 42; number of warriors, 31.

Onondaga (N. Y.), as a boundary, XVII, 251; Indians in, I, 60, XIII, 344; Evans, VIII, 126; Johnson, I, 88; hot springs, XIII, 283; salt works, IV, 78, IX, 311, XIII, 243, XIV, 58.

Onondaga County (N. Y.), creek in, XXIV, 180; military district, VIII, 127.

Onondago Hill (N. Y.), described by Maximilian, XXIV, 181.

Onontio, Indian name for French king, I, 35, 68, 69, 305.

Onosmodium molle, observed by Bradbury, V, 317.

Ontaouai Indians, habitat, VIII, 234.

Ontario, boundary, II, 51, VI, 383; northwest portion unexplored, II, 121; Indians in, VIII, 47, XXIII, 190; Bureau of Mines Report, II, 121; *Northern and Western Boundaries*, 87.

Ontario County (N. Y.), Eliza Hart Spalding in, XXI, 355.

Oolite, described, XVII, 233; on Missouri River, XIV, 143.

Opan-tanga. See Big Elk.

Opelousa Indians, country named for, XIII, 311.

Opelousa (La.), cattle-raising in, XIII, 311.

Opelousa County (Mo.), sugar culture in, V, 264.

Ophrys malaxis, habitat, XXIX, 424.

Opium, as a remedy, XV, 47, XVI, 82; excessive use, VIII, 33, 35.

Oposard (Mex.), Pattie in, XVIII, 152.

Opossums (*didelphys virginiana*), habitat, III, 78, 82, VI, 323, X, 287; habits, XXII, 182; eat pawpaws, XVI, 184; numerous, X, 249, XXII, 168, XXVII, 262; Long sees, XV, 317; Maximilian, XXII, 82; eaten, V, 257; described, VIII, 289, 290, X, 288, XIX, 74.

Orange County (Ind.), seat, XII, 230; stream, XXIV, 141; turnpike, 141; Chambersburg, X, 62.

Orangeburg (S. C.), road, III, 295.

Oranges, XI, 67, XIII, 301; culture of, III, 305, XII, 73, XXII, 67; groves on Mississippi River, IV, 353, V, 212, VIII, 330, XIX, 129, XXVII, 40; in Louisiana, IV, 340, 361, 363-365, XIII, 307, 314; Mississippi, XII, 177; abundant, 125, XVIII, 362; article of trade, X, 192, XXII, 42; frozen, VIII, 61.

Orators, political, XI, 55, XII, 316; in Washington (D. C.), XI, 118, 122, XII, 23, 35, 42, 55.

Oratory, character of in United States, XII, 29.

Orbigny, Alcide Dessalines d', French naturalist, XXII, 381, XXIII, 300, XXIV, 200, 201, 321; *Voyage*, XXII, 309, XXIII, 121, 256, 300; sketch, 300.

Orchids, on Mississippi River, XIV, 94; Flagg observes, XXVI, 286; *orchis ciliata*, XXII, 99; *dilatata*, XV, 306; *spectabile*, XIV, 94.

Ord, George, ornithologist, XIV, 107, XVIII, 48; botanical nomenclature, XIV, 106; sketch, 107.

Ordinance of 1787, fixes Illinois boundaries, XIX, 53; prohibits slavery, 109.

Ordovician system, characteristics, XIV, 66.

Oregon, extent, XXI, 22, 50, XXVIII, 29, XXIX, 28, 72; boundaries, VII, 131, XXVIII, 29, XXIX, 56, 74, 80, 115, 116, XXX, 286, 287; dispute over, VI, 173, XXIX, 115; climate, XXI, 300, XXVIII, 276, XXIX, 28, 44, 45, 50, 84-88, 92, 94, 122, 123, 146, 147, 185, 207, 208, 322, XXX, 18, 139, 150, 151, 155, 187, 189, 190, 220, 223-229, 232, 242, 243, 283-285, 287-289; mountains, XXI, 267, 273, XXIX, 28-36, 73, 74, 166; valleys, 62, 121; lakes, 82, 83; harbors, 61, 75, 83, XXX, 294; islands, XXIX, 74, 75; rivers, V, 181, 233, XXI, 210, 329, 357, XXVII, 366, XXIX, 36-44, 46, 48, 77-82, 289, XXX, 292; drainage, XXVII, 224; mineral resources, XXIX, 51; forests, XXI, 74, XXVII, 130, XXIX, 71, 76, 308, 309; fruits, 51; animal life, XXVII, 260, XXIX, 27, 51, 93, 94, XXX, 219; described, XXVII, 242, XXVIII, 15, 276, 345, XXIX, 24, 45-48, 87, 88, 91, 145, 146, XXX, 27, 28, 101-104, 109-111, 114, 119, 125-127, 169, 194, 195, 203, 283-298; praised, XXI, 10, 32, 79, 102, XXVIII, 13; misrepresented, XXI, 105; sections, XXIX, 73, XXX, 283; discovery of, XXVIII, 31, XXIX, 116; explorations, XXI, 22, XXVIII, 30-37, XXIX, 72, 132, XXX, 197; by Lewis and Clark, XXI, 66, XXVIII, 110; conflicting claims to, VII, 37, XXVIII, 10, 25, 29-39, XXIX, 39, 193, 194, 209, XXX, 211, 286, 287; Spanish sell, XXVIII, 30-32, 38; joint occupancy, 9, XXIX, 57, XXX, 29; British domination, XXIX, 9, 23, 24, 53, 61; friction with Americans, XXI, 9, 10, XXVIII, 321, XXX, 208; discussions in Congress, VI, 15, XXVI, 14, XXVIII, 10, 14, XXIX, 280, XXX, 9, 39, 162; acquired by United States, XXI, 16, 24, XXVII, 330, XXVIII, 33, 36, 37, XXIX, 33, 77, XXX, 10, 11, 15; first American governor, XXVIII, 290; American provisional government, VII, 231, XX, 24, XXI, 329, 353, XXVII, 235, XXIX, 17, 19, 21, 25, 100, 180, 280, XXX, 100, 121, 149, 163, 179, 213-216; officials, 111, 153, 159, 305; laws, 213, 299-311; division into states, 216; counties, 214; population, XXIX, 71, 98, 99, 123, 143, 180, XXX, 11, 216, 289; inducements for emigration, XXIX, 102, XXX, 68, 164-166, 207, 211-213, 218, 232; societies to promote, XXI, 10, 24; Astorian expedition, VIII, 9 (see also Astorians, Fur Trade, Pacific Fur Company, etc.); De Smet's, XXIX,

- 103-419; Farnham's, XXVIII, 45-380, XXIX, 13-102; Frémont's, XXX, 39; Palmer's, 21-256; Wyeth's, XXI, 17-106; emigrants to, XIX, 181; in 1843, XXX, 11, 100, 173, 174, 193, 204; in 1844, 11, 174, 224, 225, 240; in 1845, 11, 12, 29; in 1846, 216, 250; season for starting, 262; routes, XXI, 47, XXVIII, 112, 113, XXIX, 61, 62, XXX, 277-282, 297; rendezvous, 261, 262; outfits, 10, 14, 18, 19, 27, 257-263; supply stations, 13, 34, 74, 86, 129, 224, 261-263, 297, 298; wintering places, 226; advice to, 27, 93, 297; aided, 148, 149; ford rivers, 119; attacked by Indians, 251-253; first grave in, 181; first town, VI, 247, XXIX, 180; early settlements, VI, 174, XXI, 16, XXIX, 57, XXX, 9, 106, 180, 206; pioneers, XX, 23, XXI, 73, 329, XXVIII, 91, 290, XXIX, 127, 284, XXX, 40, 42, 208, 216; first white child, VI, 261; agriculture in, XXVIII, 359, XXIX, 15, 67, 71, 72, 76, 86-89, 91, 92, 96, 121, 122, XXX, 186-188, 192; grazing and stock raising, XXIX, 87-90, 92, XXX, 189, 232, 290; fisheries, XXIX, 93; mills, 18, 94, 95; productions, 39, 94, XXX, 193; famines, 112; markets, 195, 292-294; prices, 18, 217, 218, 258; commerce, XXIX, 51, 52, 61, XXX, 212; with Alaska, VI, 286; California, XXX, 192; China, 292, 293; fur trade, XXI, 84, XXIX, 60, 117, XXX, 86; American Fur Company, XXIX, 56; Hudson's Bay Company, XXI, 297, XXIX, 57, XXX, 210, 211; posts, XXIX, 77, 119, 256; Indians in, VI, 239, VII, 137, XXI, 84, 304, XXVII, 129, 163, XXVIII, 266, 340, XXIX, 94, 122-126; population, 143; migrations, 97; jargon used, XXX, 264-270; relations with settlers, 229, 261; wars, 192; reservations, VI, 258, XXI, 329; missions among, 335, XXVIII, 331, 332, 379, XXIX, 115, 128, 133-135, 171, 180-183, 273; missionaries, XXI, 138, 355, XXVII, 343, XXVIII, 274, 376, XXIX, 99, 273, 274; Catholic missions, VI, 401, XXVIII, 16, XXIX, 119, 126, 130, 136-139, 142, 156, 261; offices, XXVII, 320, XXIX, 140, 141; members, 143, 182; Protestant missions, XXI, 352, XXVI, 14; Methodist, XXVII, 388, 389, XXIX, 22, XXX, 182, 183; superintendent of Indian affairs, 15, 16; capital, 14, 183; metropolis, XXIX, 15; land controversies, XXI, 296; landmarks, XXVIII, 367, XXX, 225, 243; schools, 100, 219; railways, XXI, 197, 199, 244, 266, XXVII, 248, 249, 252, 253, XXVIII, 285, XXX, 73, 106, 167; epidemics, XXIX, 122, 123, 147, 167, 171; liquor-traffic, 100, XXX, 309-311; publications on, XXI, 335, XXVIII, 25; press in, 275, XXX, 159, 160, 311; maps of, VII, 18, XXVI, 44, XXIX, 144, XXX, 126; Ball in, XXI, 73; Beers, XXIX, 21; Blair, XXVIII, 101, 102; Brown, XXX, 100; Buffum, 142; Carson, V, 93; Craig, XXX, 222; Dorions, V, 38; Farnham, XX, 138, XXVIII, 45, 173, 301, 302, 326, 361, XXIX, 25; Foster, XXX, 49; Gay, 174; Gary, XXIX, 165; Grant, XXX, 86; Gray, XXI, 353; Harris, XXX, 123; Hatch, 156; Johnson, XXIX, 17; Kelley, XXI, 102; Laframboise, VII, 248; Lee, XXX, 111; Long, XXIX, 280; McClure, XXX, 207; McKay, XXI, 201; McLoughlin, XXIX, 118; Matheny, XXX, 174; Nuttall, XIII, 15; Ogden, XXI, 314; Parker, 335; Palmer, XXX, 15, 242; Powell, 150; Smith, XXVIII, 91; Sutter, XXX, 229; Taylor, 153; Thompson, 142; Townsend, XXI, 14; Trask, XXX, 202; Trimble, 254; Turner, XXI, 329; Walker, XXX, 190; Waller, XXVII, 390; White, XXIX, 20; Whitman, XXI, 352; Wilson, XXIX, 25; Captain Young, 26; Ewing Young, XX, 23, XXI, 24; Historical Society, XXX, 42; *Proceedings*, 198; *Quarterly*, VII, 36, XXI, 12, 24, 306, XXIX, 17, 184, 284, XXX, 86, 110, 121, 123, 125, 129, 160, 191, 206, 214; Pioneer Association founded, XXVIII, 290; *Transactions*, XXI, 353, 355, XXVIII, 45, 290, 322, 333, 335, 346, XXIX, 284, XXX, 124, 128, 142, 151, 153, 193, 204, 208, 214; *Sources for History*, XXIV, 116.
- Oregon City (Oregon), site, XXI, 320, XXIX, 15, 170, XXX, 40, 134, 162, 168, 297; end of Oregon trail, 157, 281; trail to, 128, 190; aid to emigrants, 144, 148; founded, XXI, 296, 301; population, VI, 401, XXIX, 136, 180, XXX, 158, 160, 296; county, 215; Indians in, 146; merchants and trade, 99, 179, 223, 293; churches, XXIX, 141, 143, 279; ferry at, XXX, 163; described by Franchère, VI, 401; De Smet, XXIX, 180; Palmer, XXX, 27, 28, 158-162, 177;

OREGON CITY (continued)—

- Spaulding, 296; Barlow in, 120; Blanchet, XXVII, 320; Caplinger, XXX, 148; Demers, XXIX, 136; Engle, XXX, 161; Gary, 183; Knighton, 121; Ogden, XXI, 315; Palmer, XXX, 14, 120, 155, 157, 164, 207; Staats, 128; Taylor, 153.
- Oregon County (Mo.), river in, XVII, 35.
- O'Reilly, —, commissioned by Spain, V, 236.
- Orignacs. See Moose.
- Orioles, Baltimore, numerous, XXII, 79, 80, 83, XXIV, 131; Maximilian observes, III, 117; orange and black, XIX, 140; orchard (*oriolus spurius*), XV, 321; red-shouldered (*psaroc phoeniceus*), XXII, 80, XXIV, 150; in Indian folk lore, XXIII, 373; yellow-headed (*icterocephalus*), XV, 321, 326, XXIV, 95.
- Oriskany (N. Y.), Indians in, XXIV, 184; battle of, 184, 187.
- Orleans, Duke —, in Mississippi, IV, 323; sons, III, 217.
- Orleans Territory, drainage, V, 237; Brackenridge, attorney-general, VI, 10; Clark, delegate, IV, 362; Coburn, judge, 169; petition to Congress, XIV, 138.
- Ormsby, Robert G., in Louisville (Ky.), XI, 172, 173.
- Ornithologists, in Philadelphia, IX, 56; Middle West, XXVI, 355. See also the several individuals.
- Orobanche, ludoviciana*, XVI, 98; *virginiana*, III, 83.
- Orobis dispar*, collected by James, XV, 241.
- Orondock Indians, habitat, I, 169.
- Orr, Col. Alexander D., in Kentucky, III, 36.
- Orris, —, in New York, XII, 89.
- Orthocerites*, size, XIV, 66; in limestone, XXVI, 70; observed by Nuttall, XIII, 40, 287.
- Ortiz, —, experience with Mexicans, XIX, 307, 308.
- Ortiz, John, with De Soto, XIII, 331; Indians capture, 358.
- Ortley, —, farewell to Maximilian, XXIV, 130.
- Ortubize, Sioux interpreter, XXII, 339, 342, 371, XXIV, 11, 224; hunting, XXII, 369; fur cargo, XXIV, 88; among Yanktonan, 16.
- Osage (Wasaji, Wawsashe) Indians, derivation of name, XV, 118, XVI, 273; stock, V, 50, XX, 297, 337, XXIV, 223, 280; tribal divisions, V, 191, XVI, 274, XX, 251; habitat, V, 60, 191, VI, 57, 59, XIII, 274, XIV, 17, 18, XVI, 283, XVII, 128, XXII, 248, XXVIII, 121, XXIX, 233; hunting grounds, XVI, 184, XX, 301; population, V, 50, VI, 60, XIII, 237, XVII, 154, 155, XX, 298, 341, XXVIII, 121, 131; described, V, 50, IX, 248, 249, XIII, 13, XVI, 271-280, XVII, 154-156, XXVIII, 131-133; physical characteristics, V, 66, 115, VI, 57, XIII, 74, 120, 246, XVI, 271, XXII, 306; mental, VI, 57-60, XIII, 245, 246, 256, 257, XXVIII, 146; language, V, 61, 166, XIII, 119, XIV, 137, XV, 136, XXII, 252; interpreters, XIII, 282; know Pleiades, 238; geographical nomenclature, V, 242, XIV, 144, XVI, 281, 287, XXII, 255; dialect, XXIV, 208, 229; vocabulary, V, 215-221, XXIV, 296-300; religion, VI, 61, 62, XIII, 239, 250, 255, XVI, 267, XX, 340; creation myth, 285; astronomical knowledge, XIII, 238, 239; villages, VI, 164, XIII, 235, 237, XVI, 283; lodges, V, 62, VI, 59, 60, XVI, 273, XX, 326; occupations, VI, 60, XVI, 247; hunting, V, 191, XIII, 237, 246, 247, XVI, 266, 270; horses, 272, 273; food, V, 61, XIII, 275, XX, 333; dress and ornamentation, VI, 57, XII, 132, XIII, 249, 250, XVI, 271, 272; women and marriage, V, 61, XIII, 249, 258, 274, 275,

- XX, 338, 339; half-breeds, XXII, 242; customs and amusements, V, 66, XIII, 134, 239, 249, 251, XXIII, 299; government, V, 62, XIII, 253, XVI, 272; chiefs, VI, 58, 59, XIII, 274, XVI, 274, 275; war-customs, V, 64, 65, XIII, 210, 211, 248, 249; paths, 251, 264, 272; weapons, VI, 57, XVI, 272, XXIII, 358; captives, XIII, 140, 251, 252; diseases, 244; mourning and burial, V, 63, 64, XX, 339, 340; intertribal relations, V, 49, 52, 63, 67, VI, 60, XIII, 236, 248, XVI, 272, 274, XVII, 157; with Caddo, 52; Cherokee, XIII, 190-192, 246, 253, 277-279, XVII, 17, 19-23; Comanche (Ietan), XVI, 233; Foxes (Outagami), XIII, 247; Illinois, 323; Iowa, V, 63, VI, 60, XIV, 304, 305; Kansa, 195, XV, 24, 25, XVII, 154, XXVIII, 139; Missouri, XV, 133, 134, XVI, 171, XXII, 246, XXIV, 112, 314; Oto, V, 80, XVII, 151, XXVIII, 145; Pawnee, XVII, 154; Quapaw, XIII, 117, 123, XXVIII, 133; Shawnee, XIII, 73; Sioux, V, 109; land claims, XIII, 207, XVI, 280, XVII, 19; reservation, XIII, 207; boundaries, 207, XVI, 262, 265, XXVIII, 131; relations with whites, V, 50, VI, 60, XIII, 89, 133, 222, 238, 252, 254, 255, 274-276, XVI, 279, XIX, 195, XX, 111, XXII, 249; with Spanish, XV, 133, 134; with government, XIII, 238, 281, 282, XIV, 177, XVI, 274-280, XVII, 155; treaties, V, 60, XIX, 197; land-cessions, XIII, 238, 281; annuities, XVI, 279; chiefs visit Washington, IX, 248, 249, XII, 132, XV, 14, XVI, 275; traders among, V, 66, XIII, 139, XXII, 381; Bell's party, XVI, 21, 265-271; Chardon, XXIII, 188, 192, XXIV, 86; La Croix, XXVII, 202; Long's party, XVI, 187; Nuttall, XIII, 274, 275; Sibley, V, 66, 191; missionaries, XIII, 260, 279, XVII, 82, XXVII, 263; books, XX, 305; influence of civilization upon, XIII, 245.
- Osage City (Mo.), population, XIV, 144.
- Osage County (Kans.), Indians in, XXVIII, 141.
- Osage orange (*maclura aurantica*, yellow-wood), V, 170, XVII, 123, 124, 143, XX, 254, XXII, 186, XXIII, 119.
- Osark Indians. See Quapaw.
- Osark (Ark.), Nuttall in, XIII, 96.
- Osborn, H. F., *Evolution of the Horse in America*, XXVII, 180.
- Osborn, Ralph, auditor, XI, 223.
- Osgood, Dr. —, in Boston, XI, 67; letters to Faux, 68, 90.
- Os-hays-Kee (ridge), Sauk chief, XXIV, 316.
- Oshkosh (Wis.), water-works, VIII, 232.
- Osiers, mats of, XXIII, 270, 271, XXIV, 39.
- Osinipoilles Indians. See Assiniboin.
- Osmerus thaleichthys*, described by Franchère, VI, 323.
- Osnaburg (Can.), McDonell in, VI, 380.
- Osten, Henry, in Kuskusking, I, 254; Fort Ligonier, 287, 288.
- Ostrea*, discovered in Booneville, XIV, 150; described, 227, XVII, 218, 219; small species, XVI, 41; *virginica*, XIV, 156.
- Ostriches, observed by Buttrick, VIII, 23.
- Ostun, —, shoemaker, IV, 314.
- Oswald, Richard, negotiates treaty of Paris, II, 27.
- Oswegatchie (Oswegatche) Indians, II, 47; habitat, I, 169, II, 219; visited by Long, 213.
- Oswego (N. Y.), Indian village, I, 167; British post, II, 12; shipping port, 48; Indians in, I, 31, 159; Amherst, 163; Bradstreet, 153. See also Forts: Oswego.
- Otaopabinè (les gens des canots) Indians, affinity, XXII, 388.

Otermin, Antonio de, sketch, XIX, 263; in Indian insurrection, 264-268; superseded by Zapata, 269.

Otero County (Colo.), creek in, XVI, 62.

Otis, Elizabeth, marries Lyman, XI, 54.

Otis, Harrison Gray, daughter, XI, 54; sketch, 57.

Oto (Otoe, Othouez, Wahtohtana) Indians, significance of name, XV, 131; stock, VI, 76, XVII, 156, XX, 297, XXIV, 223, 280; habitat, V, 74, 77, 226, 317, VI, 77, 78, 101, 165, XIV, 221, XV, 130, 131, XXII, 259, XXVIII, 121, XXIX, 230; hunting grounds, XV, 132, 135, XXII, 263; migrations, XV, 131, 132; population, V, 74, 80, XIV, 238, XVII, 151, XX, 341, XXVII, 166, XXVIII, 121, 146; described, XIV, 13, XVII, 150, 151, 158, XXI, 152, XXII, 271, 272, XXIV, 112, XXVIII, 145, 146; language, XIV, 309, XV, 135, XXII, 274; geographical nomenclature, XV, 230, XXII, 265; telegraphic communication, XV, 101; dialect, XXIV, 208; vocabulary, XIV, 18, XVII, 290-298, 300, XXIV, 285-293; traditions, XV, 57, XXIV, 313, 314; lodges, V, 78, 79, 129, 131, XV, 130, XVI, 109, XXVIII, 148; dress, XIV, 277, XVI, 272, XXIV, 106; hunting, XIV, 269, 272, 273, 276, XV, 140, XXII, 260; dances and amusements, XIV, 230-236, XV, 102, 125, 127, 149, XVI, 217; intoxication, XIV, 269, XV, 108, XVI, 217, XXIV, 112; quarrels, XV, 34, 35; women and marriage, 101, XX, 295; half-breeds, XXII, 259, 260, 266; chief, VI, 76; councils, XV, 102; war-parties, 93, 95, XVI, 233; captives, XV, 131; diseases and remedies, 46, 135; reservation, XXVIII, 145; boundaries, 145, 148; salines, XX, 244; intertribal relations, V, 78, 80, XIV, 266, 267, XV, 108, 109, XVI, 116, 223; relations with Iowa, XIV, 266; Kansas, 228, 276, 277, XV, 93, 94, 99, XVII, 154; Missouri, V, 80, XIV, 229, 266, XV, 134, XXII, 246; Omaha, XIV, 277, XV, 89, 90; Pawnee, 34, 94, 95; Sauk, XIV, 314-317; Shawnee (Tecumseh), V, 277; Sioux, 92, XV, 99; relation with whites, XIV, 228, 272, XXI, 153, 154; with soldiers, XV, 109, 110; councils with, VI, 78, XIV, 230, 236, 239; treaty, XXIV, 315, 316; visit Washington, XII, 52; agent for, XIV, 126, XXII, 234, 267; relations with traders, V, 81, XIV, 220, 228, 242, 311, XV, 33, 96, 142, XXIV, 111; trading posts, VI, 88, XXII, 260, XXIV, 106, XXIX, 232; intermarriage with whites, XXVII, 136; books among, XX, 305; Crooks, V, 75; De Smet, XXVII, 166; Rogers, V, 80, 81; Stuart, VII, 227.

"Oto," trading steamer, XXIV, 117, 123.

Otoe County (Nebr.), creek in, XXIX, 372.

Otopachgnato (les gens du large) Indians, affinity, XXII, 388.

Otsego (N. Y.), Evans in, VIII, 125.

Otsequa-Stomik, wounded, XXIII, 148.

Ottawa (Ootewa, Tawaas) Indians, habitat, I, 13, 76, 112, 168, 169, 302, VIII, 227, 229, 233, 234, XXVIII, 136; stock, XX, 297, XXII, 253; language, 253, XXIII, 191; number of warriors (1765), I, 168, 169; population, XX, 317, 341, XXVIII, 121, 135; migration to Kansas, 136, 137; number in Indian Territory, 121; relations with Illinois, XXVI, 139, 140; with French, I, 160, 169, 209, 213; English, 104, 105, 113, 121; Americans, XII, 213, XXVII, 153; at Detroit, I, 55, 105-107, 115, 151, 153, II, 50; books among, XX, 305; maize culture, XXIII, 275; chiefs, I, 303, 306, 310; buy rum, 307; Morris with, 309, 327; Shawnee and Delawares, 319, 320; described, XXVIII, 135, 136; sketch, I, 76, XXVIII, 136.

Ottawa, site, VI, 398; Larocque in, 282.

Ottawa (Ill.), sketch, XXVI, 139.

"Otter," Wyeth on, XXI, 46.

Otters, habitat, II, 76, 99, 132, III, 82, X, 288, 290, XV, 237, XXVII, 39, 262, XXIX, 209, 214; numerous, VI, 247, XXII, 168, 384, XXVII, 184, XXIX, 116, 166; hunted, XIV, 289, XVII, 154, XVIII, 271; trapped, XIV, 307, XVIII, 107, XXI, 28; in picture writing, XXIII, 288; Euro-

- pean lesser, XXII, 101; land, VI, 323, XXVIII, 221; sea, VI, 323, XXIX, 51; *lutra, mustela lutra Braziliensis*, XV, 317; described, XXVII, 262; skins, number sold annually, XXII, 380; prices, VII, 245; value, XIV, 311, XVIII, 270; in Indian legend, XXIX, 377; as badge, XXIII, 293, XXIV, 41; dresses of, XIV, 258, XXIII, 155, XXIV, 98; head bands, XXII, 223, XXIV, 80; necklaces, XXIII, 262; ornaments, 131, 162, 265, XXIV, 52; quivers, XXII, 360, XXIII, 354; trade medium, V, 85, VII, 166, VIII, 231, XXI, 298, XXVIII, 262, 307; tails, as ornament, XXIV, 52.
- Ouachita Parish (La.), road, XIII, 147.
- Ouassi Indians. See Wasses.
- Oufe-Ogoulas (Nation of the Dog) Indians, habitat, XIII, 357.
- Ouiatonon Indians. See Wea.
- Oulamopess, Delaware chief, I, 63.
- Oumas Indians. See Houmas.
- Ourourah (Hawaii), number of morais, VII, 65; settlers, 70; capital, 60.
- Urury, Capt. Lewis, in Fort Bedford, I, 240.
- Outagami Indians. See Fox.
- Outagamie County (Wis.), Indians in, XXIV, 183.
- Outchebous Indians, habitat, VIII, 234.
- Outlaw, cited, XXVI, 74.
- Outram, James, *Heart of Canadian Rockies*, XXIX, 212.
- Overaker, —, land owner, IV, 311.
- Overton, John, lawyer, III, 98.
- Overton, William, founds Portland (Oregon), XXX, 166.
- Ovid (N. Y.), Evans in, VIII, 129.
- Owatoga, in Indian legend, XXVI, 124.
- Owen, —, distiller, XXII, 184; Maximilian meets, 186.
- Owen, Abraham, town named for, XIII, 68, XXII, 160.
- Owen, David Dale, scientist, XXIV, 144.
- Owen, Richard, meeting with Maximilian, XXIV, 144.
- Owen, Robert, purchases New Harmony (Ind.), X, 50, XXII, 13, 163, XXIV, 144, XXVI, 67; formulates social system, 67, 68; sketch, X, 50.
- Owen, Robert Daie, on Wabash River, XXII, 13; in New Harmony, X, 155, XIV, 40, XXVI, 67; meets Maximilian, XXIV, 133; quoted, XXVI, 268; sketch, XXIV, 133.
- Owen, William, on Wabash River, XXII, 13.
- Owens, John, Indian trader, in Logstown (Pa.), I, 62.
- Owens, Thomas, town named for, XXIV, 135.
- Owens, William, station named for, XXVI, 262.
- Owen's Station (Mo.), site, XXVI, 262.
- Owensborough (Owensboro, Owensville, Rossborough, Yellow Banks, Ky.), cane in, XIII, 70; river port, XXII, 160; population, XIII, 68; described, 68, 69; sketch, 68, XXII, 160; Nuttall in, XIII, 68; Woods, X, 251.
- Owensville (Ind.), population (1834), XXIV, 135.

Owingsburg (Ky.), IV, 211.

Owls, habitat, I, 247, III, 83, IV, 134, XV, 325, XVII, 147, XXIII, 213, 250, XXVIII, 379, XXIX, 308; abundant, XV, 247; habits, XXI, 29, XXVII, 263; hunted, XXII, 263, XXIII, 63; eaten, XVI, 94, XXI, 277; James sees, XV, 179; Maximilian, XXII, 196, XXIII, 31, 52, 177, 213; Indians reverence, XXIV, 15, XXVI, 77; mimic, XV, 114; medicine birds, XXIII, 343; totems, XIII, 125; feathers, as amulet, XXIII, 261, 389; Indian ornaments, XIV, 264, XXII, 273, XXIII, 100, 260, 293, 294, XXIV, 47, 49, 52, 67, 74; tails, as fan, XXIII, 102; barred (*strix nebulosa*), XV, 319; burrowing (*coquimbo*), XVI, 99, 223, 224, XX, 281; great (*bubo*), XV, 319; hawk (*hudsonia*), 319; hooting, XVI, 139; large grey (*virginiana*), XV, 319, XXIII, 172, 382; long-eared (*otus*), XV, 319; red-eared (*asio*), 319; screech, XVI, 139, XXIII, 388, XXX, 51; (*passerina*), XV, 319; (*phalacrocorax*), 319.

Oxalis acetosella, abundant, XXII, 105.

Oxen, III, 299, VI, 47, 383, VIII, 22, XXII, 251, XXX, 97, 235; buffaloes a variety of, XXIV, 130; fodder, XXII, 100, 312, XXX, 289; bells, XXII, 194; shod, XIX, 191, XXX, 57; harness, XIX, 337, 338; unruly, 204, 205, 214, 220, 247, 248; ford streams, 215; struck by lightning, 251; tethered, 213; prairie flies trouble, XXVI, 354; scarcity of, XXIII, 235; Indians own, XXVIII, 131, 139; Indians kill, VI, 60; superstition concerning, XXIII, 235; bartered for horses, XXX, 241; compared with, 257, 258; advantages, XIX, 190, 191; article of trade, X, 203, 204, XIX, 188, XXII, 146, XXIV, 148; quality, X, 204, XXII, 47, XXIV, 140; prices, X, 74, 196, XII, 120, XXX, 258, 262; traders use, XX, 222; backwoodsmen, XXII, 206; pioneers, IV, 62, 229, V, 295; in place of horses, X, 186; plough, VIII, 194, XVIII, 145; operate mills, X, 271; beasts of burden, XI, 116, 149, 289, XII, 203, 259, XIX, 142, 190, 199, 337, XX, 104, XXI, 27, XXII, 133, 183, 185, XXVI, 161, 227, 247, XXVIII, 61, 136, 138, 140, 333, 337, XXX, 10, 12, 109, 149, 257, 258, 262; as food, XIV, 191, XX, 143, XXI, 48, 80, 99; described, X, 196, 281; horns, XXII, 326; meat, XV, 246, 247; whips, XXX, 253.

Oxford (Ill.), described, X, 259, 328; sketch, 329.

Oxford (Pa.), Harris in, III, 369, 373.

Oxide, red metallic, XVII, 48; in sandstone, XVI, 68.

Oxlips, observed by Flagg, XXVI, 286.

Ox Neck. See Bull's Neck.

Oxybaphus nyctagineus, observed by A. Michaux, III, 63.

Oxydenia attenuata, observed by Nuttall, XIII, 78.

Oxytropis lambertii, observed by Bradbury, V, 320; James, XV, 187; Maximilian, XXII, 283, 299.

Oyaghtanont, Indian chief, I, 263.

Oysters, habitat, XI, 176, XIII, 289, XXIX, 51; abundant, 93; purchased, XII, 338; pickled, XI, 50; eaten, XII, 162, 299, XXII, 45; shells, XVII, 218.

Ozark (Aux-arcs), Bradbury in, V, 36.

PACAHA Indians, relations with De Soto, XIII, 324, 325.

Pacaha (Mex.), De Soto in, XIII, 322-327; Indians, 324, 325.

Pacanne, Miami chief, I, 316, 317.

Pachgatgoch, Moravian missionary in, I, 177, 178.

Pachtuwa-Chta, among Mandan, XXIV, 73.

Pacific City (Oregon), Stewart in, XXX, 149.

- Pacific Coast, discovery, VII, 33; explorations on, VI, 33, 185, VIII, 296, XVIII, 15; soundings, XXX, 195; salmon, XXIX, 161; fur trade, VII, 10, 35; missionary work, 310, XXIX, 181; in War of 1812-15, VII, 245; American settlements, VI, 175; desirable sections, XXX, 212.
- Pacific Fur Company, established, VII, 36, 39, 162, 238; price of shares, 39; partners, V, 36, 224, VI, 273, VII, 10, 38, 77, 81, 181, 183, 239, XV, 237, 238, XXIX, 18; employees, VI, 267, 297-299; Americans in, V, 36; posts, 234, VI, 260, 277, 279, 281, 283, 298, XXIX, 37, 38; rivalry, VII, 195, 201, 209, 270, 271; connection with South West Company, 37; expedition to St. Louis, V, 224-228; supplies, VI, 313, 315; losses, VII, 270; sale of Astoria, VI, 296-298, 303, VII, 239; failure, V, 36, VII, 272; records, V, 38; history, VII, 12, 21.
- Pacific railway, urged by Gilpin, XXX, 39.
- Paddle-fish (*ptalystrostra*), habitat, XXII, 170.
- Padillas (N. Mex.), Don Mariano Chavez in, XX, 232.
- Padouca (Padoucah, Paduca) Indians, habitat, XVI, 60, 212, XVIII, 375; tribes, XVI, 212; migrations, 20; relations with other Indians, XIV, 233, 243, XV, 90; Bourgmont among, 130; Pursley, XIX, 173; sketch, XIV, 233.
- Paducah, Indian chief, XXII, 203.
- Paducah (Ky.), site, XXIV, 132; described, XXII, 203, XXVI, 77; sketch, XXII, 203.
- Padus virginiana*, III, 79, 83.
- Pahoja (gray snow) Indians. See Iowa.
- Pahuska. See White Hair.
- Pain Court, sobriquet for St. Louis, V, 258, XXVI, 143, 148. See also St. Louis.
- Paine, Dorothy, marries Todd, XI, 128.
- Paine, Thomas, befriends Bonneville, XX, 267; in Botley, XI, 267; *Age of Reason*, X, 158.
- Painesville (Ohio), site, XXIV, 160.
- Paint, XII, 124, XXIII, 158; article of trade, XVIII, 68, XXI, 45, 57, 137, 254, 255, 261, 283, 306, XXIX, 60; as a supply, XXII, 235.
- Painted cup (*euchroma coccinea*), XIII, 201, XV, 177, XXIX, 424.
- Painted Garment. See Itskaykayetsa.
- Paintings, in St. Louis, XXVI, 168, 169, 259; religious, XVIII, 255, 277, 357, XXVI, 174, 175, XXVII, 62, 206; by Mexican Indians, XVIII, 372. See also Artists.
- Pai-o-tahit (heartless), Sauk chief, XXIV, 316.
- Paisano. See Chaparral Cock.
- Paiute Indians, French name for, XXVII, 167; habitat, XXVIII, 194, 248; character, 312; intermarriage with trappers, XXX, 74; sketch, XVIII, 140.
- Palatinate (Ger.), emigrants from, XIII, 111, XXIV, 187.
- Palenque (Mex.), colonists from, in Ohio valley, XXII, 174.
- Paley, William, XI, 118; character of, XII, 113; author, X, 157; *Moral Philosophy*, XII, 74, 82, 113, XXVI, 355.
- Palisema Indians, De Soto among, XIII, 328.
- Palladino, L. B., *Indian and White in Northwest*, XXVII, 147, 193, 230, 233, 282, XXIX, 137, 178, 321.
- Pallas, Peter Simon, *Tour through Southern Russia*, XXIV, 129.

Palliser, Capt. John, in Fort Berthold, XXIII, 189; *Explorations*, XXIX, 235; *Solitary Rambles*, XXIII, 346.

Palma, Yuma chief, XXVIII, 261.

Palmer, Archibald, sketch, XXII, 374.

Palmer, Joel, joins caravan, XXX, 28; organization of Oregon expedition, 39-43, 47, 50; number in party, 12, 29, 32, 49, 66, 121, 242; supplies and equipment, 30, 34, 44, 52, 53, 57, 65, 66, 69, 73, 86, 87, 93, 94, 99, 108, 109, 112, 115, 116, 118, 121, 129, 135-137, 140-144, 147-151, 154, 155, 207, 208, 222-224, 238, 239, 241, 242, 244, 248, 253; joined to Barlow's party, 129; Palmer in command, 13, 44; secures assistance, 148-151; party dispersed, 256; divided, 44, 48, 66, 89, 101, 121, 140, 141; Palmer returns to expedition, 145; escort to emigrants, 255; opens road, 128-130, 135-141; fording rivers, 99, 119; courses and distances, 13, 14, 30-34, 36-39, 42-50, 52-57, 61-79, 82, 85, 86, 89-109, 111, 115-119, 125, 148, 152, 155-157, 231, 232, 242-244, 246-250, 255; encampments, 30-37, 39, 44-49, 52-54, 56, 57, 61, 65, 66, 73-77, 83, 86, 87, 90-94, 96-98, 100, 101, 103, 104, 107, 109, 112, 114, 115, 117, 119, 125, 128, 129, 131, 132, 136, 137, 140-142, 147-149, 153, 242, 244, 247, 248; hunting, 62, 63, 69; hardships, 14, 133, 137-139, 143-146, 150, 151, 154, 247, 248; accidents, 65, 66, 69, 103; losses, 35, 36, 40, 41, 62, 94, 111, 112, 118, 119, 137, 224, 243; on Columbia River, 120, 224-229; Wallawalla, 229-231; Cascade Mountains, 126-156; Mount Hood, 28, 126, 127, 130; expedition to Fort Hall, 86; Fort Vancouver, 207; meeting Californians, 13, 87-89; meteorological observations, 220-222; relations with Indians, 41, 42, 57-60, 85, 87, 93, 94, 98, 105-108, 110, 111, 114, 116, 119, 137, 145-147, 153, 179, 192, 227-231, 234, 235, 241, 242, 244-246, 249; with missionaries, 240-242, 283; experiences with horses, 35, 228; cattle, 111, 112, 128, 129, 131, 146, 234, 235; time occupied, 256; return to United States, 222, 223, 242, 256; succeeded by Lee, 111; sketch, 11-18; *Journal*, XXI, 200, XXIX, 95, 194, XXX, 17, 18, 27, 29-311.

Palmer, Thomas H., publisher, XIII, 25.

Palmer, Timothy, bridge builder, IV, 26.

Palmer, Walter, abandons Oregon expedition, XXI, 68, 72, 88; in Booneville (Mo.), 90; in St. Louis, 78.

Palmer (Mass.), originally Three Rivers, XXI, 24; Kelley in, 25.

Palmetto (*sabal minor*), in Arkansas, XIII, 115, 299.

Palmilla, described, XIX, 298.

Palms, habitat, II, 81, 119, 145, III, 127, 175, 176, 181, 209; size, 175, 176, XVIII, 362; height, XXII, 110; as food, XVIII, 220; lumber, III, 121; cause consumption, 210; Pattie observes, XVIII, 220; leaves as fans, XXII, 68; date, XIII, 115, 301, 314, 315.

Palmyra (Ill.), roads, X, 260, 325; unhealthy, 329; county seat, 266, 329; county court, 346, 348; population, 328; Woods in, 311; described, 328; sketch, 266.

Palmyra (Miss.), described, IV, 306-308.

Paloos Indians, habitat, XXIX, 288; population, XXVII, 166, XXIX, 288.

Paltsits, Victor Hugo, cited, XXVII, 39.

Pambrun, Lieut. Pierre C., in Fort Walla Walla, XXI, 280, 347, XXVIII, 346; Fort Babine, XXIX, 278; attitude toward Indians, XXI, 354, 355; entertains Farnham, XXVIII, 347; raises vegetables, XXI, 281; sketch, 280.

Panan quinquefolium, III, 29.

Pandanus, Hawaiian plant, VI, 221, 222.

Pando, —, in Taos, XIX, 285.

- Panecahega, speech to O'Fallon, XV, 349, 350.
- Panicum, capillaceum*, XIII, 103; *virgatum*, XIV, 74.
- Panthers (cougar, *felis concolor*), XXVI, 77; habitat, VI, 323, X, 287, XV, 317, XVII, 146, XVIII, 194, 362, XIX, 327, XXIII, 245, XXVII, 184, XXVIII, 204, 221; cry of, 226, XXIX, 214; abundant, XIII, 168, 210, XXVII, 334, XXX, 248; scarce, X, 287, XXIII, 249, XXIV, 120; hunted, XIX, 320; attack hunter, XX, 106; Pattie kills, XVIII, 88; anecdote, XIII, 210; ring-tailed, XVIII, 43; described, II, 77, XXI, 274; skins, VI, 325, XV, 77, XXIII, 119; for couches, 107; dresses, XVIII, 43, XXIII, 145; quivers, 354, XXIV, 66; saddles, XXII, 346, XXIII, 150; price in barter, 107; as plunder, XIII, 325.
- Panuca (Mex.), separated from intendancy, XVIII, 377.
- Paoli (Ind.), location, XII, 230, XXIV, 141; militia muster, XII, 272; Welby in, XI, 16.
- Papago (Papawar) Indians, treachery of, XVIII, 121-129, 132.
- Paper, imported, III, 200; prices, 200; as a supply, XXII, 235; writing, XX, 186.
- Papilio plexippus*, observed by Maximilian, XXII, 128.
- Pappan (Papan, Papin), Emily, marries Fontenelle, XV, 143.
- Pappan, Joseph, fur-trader, XV, 143.
- Pappan, Julia, daughter of Pierre, XV, 193.
- Pappan, Laforce, fur-trader, XV, 143, 154, 163, 353, XXII, 232, XXIII, 29; fur-cargo, XXIV, 88; hunting, XXIII, 29, 37, 39, 67; expert marksman, 142; fears Blackfeet, 143; at Fort Clark, XXIV, 48; Fort Union, XXIII, 164; Bellevue, XXIX, 372; Indians feast, XXIV, 89; sketch, XV, 143.
- Pappan, Pierre, father of Julia, XV, 193.
- "Paragon," on Mississippi River, XXII, 203, 207, 209, 210; Maximilian on, 201.
- Paras (N. Mex.), as a boundary, XVIII, 348.
- Parchment (parfleche), article of trade, XVI, 207; bags of, XXIII, 104; bird cage, 391; soles, XXII, 378; windows, XXIII, 92; writing paper, 339; hieroglyphics on, XXIV, 143.
- Parent, —, blacksmith, on "Raccoon," VI, 302.
- Parhelia, numerous, XXIII, 240; in Indiana, XXII, 172; observed by Maximilian, XXIV, 50, 56.
- Paris (Ark.), county seat, XIII, 194.
- Paris (Ky.), location, IV, 179; distance from Blue Licks, X, 68; origin of name, 329; stage road, IV, 196; tavern prices, IX, 130; Cuming in, IV, 197, 199; Evans, XI, 220; Faux, 194, XII, 14; Flint, IX, 127, 129; Hulme, X, 67; A. Michaux, III, 37; F. A. Michaux, 198; described, 199, X, 67, 68; population, III, 37, 198, 199, IV, 197; sketch, III, 37.
- Parish, Corporal William, with Long, XV, 191, XVII, 98.
- Park, Capt. —, in Oregon, XXIX, 193.
- Park, Benjamin, founds town, XXII, 179.
- Park, Mungo, *Travels in Interior District of Africa*, XXVI, 234.
- Park Hill (Ind. T.), Cherokee town, XX, 804, 305.
- Park House (Albion, Ill.), home of Flower, X, 135.
- Parke, Judge Benjamin, sketch, IX, 278.
- Parker, —, clergyman, X, 159.
- Parker, —, in Oregon, XXX, 224.

- Parker, Adam, founds town, X, 224.
- Parker, Gen. Daniel, sketch, XVII, 68.
- Parker, Rev. Samuel, missionary, XXI, 334, XXIII, 256, XXVII, 369; *Journal of a Tour*, XXI, 335, XXIV, 227, 228, 233, 295, XXVII, 147, 368; sketch, XXI, 335.
- Parkersburg (W. Va.), island near, XXVI, 71; turnpike, IX, 65; Maximilian in, XXII, 150; Woods, X, 224.
- Parkinson, James, naturalist, XIV, 171; *Organic Remains*, 223, 226, 227.
- Parkinson, Richard, *Tour in America*, XI, 126.
- Parkman, Francis, *La Salle*, XIII, 118, 120, XIX, 53, XXVI, 140, 141, XXVII, 35; *Montcalm and Wolfe*, IV, 243; *Old Régime*, VI, 399; *Oregon Trail*, XXX, 19, 250; *Pontiac*, I, 101, 102, 105, 106, 126, 138, 298, 312.
- Parkman Club, *Papers*, XIX, 50.
- Parks, Huerfano, XVI, 53; Hot Springs, XIII, 158.
- Parmentier, Mrs. S., aids missions, XXIX, 291; letter from De Smet, 291-301.
- Paroquets (parakeet), habitat, III, 83, IV, 161, X, 291, 292, XI, 287, XIV, 70, XVI, 164; food, XIV, 70; numerous, VIII, 306, XVI, 172, XXI, 139; Bell observes, XVI, 254, 256; skins as ornament, XIV, 264; described, VIII, 306, XXII, 194, 195; Carolina (*psittacus carolinensis*), XV, 322, 327, XXI, 134, XXII, 168, 169, XXIII, 250.
- Parr, —, tour to Middle West, XII, 54; in Washington (D. C.), 23.
- Parral (Mex.), mining town, XVIII, 359; size, 359, XX, 130.
- Parras (Mex.), Willard in, XVIII, 359.
- Parrish, J. L., missionary, XXVII, 388.
- Parrots, habitat, XXIII, 42, XXIV, 109; food, XIII, 90; hunted, XXII, 245. See also Paroquets.
- Parry, —, on "Hecla," XXIII, 160.
- Parsley, cultivated, X, 306.
- Parsnips, cultivated, X, 209, XXI, 298; scarce, X, 304; food, XXVIII, 215; wild, 215.
- Parsons, Judge —, strategy of, XII, 61, 62.
- Partisan, Blackfoot chief, XXIX, 238.
- Partridge, Edward, Mormon bishop, XX, 96.
- Partridges, XI, 49; habitat, II, 98, 127, III, 217, 327, 350, IV, 97, VI, 109, XX, 282, XXVI, 183; tame, IV, 176, XI, 299; numerous, IV, 176, VIII, 192, XII, 171, XVI, 239, XX, 115, XXII, 168, 195; prey for wild-cats, XI, 200; as food, XXIX, 211; De Smet observes, 184; Woods, X, 204; described, 291; American (*ortyx virginiana*), XII, 296, 297; English, 296; Virginian (*perdix virginianus*), XV, 322, XVI, 98.
- Parus atricapillus*, habitat, XXIV, 44.
- Pasesick-kaskutau (nothing but gunpowder), Assiniboin Indians, XXIII, 202.
- Pasha-sakay, Fox chief, XXIV, 316.
- Pashtuwa-Chta, Arikara Indian, XXV, 27.
- Paskagoula (Pascagoula) Indians, sketch, XVII, 68.
- Paso del Norte (N. Mex.), location, XVIII, 155, XX, 161; river in, XIX, 279, 280; agriculture, XX, 203; wine culture, XVIII, 375, XIX, 294; manufactures, XVIII, 349; in revolt, XIX, 268; Indian prisoners in, XX, 81; Gregg in, 154, 155; Pattie, XVIII, 179; sketch, 155, XX, 155.

Paspattoo, Quapaw chief, XIII, 136.

PASSES —

Athabasca, VI, 356, 357, XXVIII, 17, XXIX, 252, 262; road, 43, 78; trading-post, XXVIII, 17; fur-traders use, XXIX, 29, 30; described, VI, 352, 353; sketch, XXIX, 30.

Bad Land, XXIII, 66.

Bitterroot Mountain, XXIX, 340, 341.

Bozeman's, XVIII, 142, XXVII, 177, 392, XXVIII, 319.

Breckenridge (Boreas), XXVIII, 211, 212.

Cascade Mountain, XXIX, 73.

Coast Range, XXX, 167.

Cottonwood (Peterson), De Smet on, XXIX, 341.

Gibbon's, XVIII, 142, XXVII, 380.

Grand, location, XIV, 164; river on, 217; bison, 166; Lewis and Clark, 218; Long, 217; sketch, 164.

Great Gap. See South, below.

Hell Gate (Devil's Gate), De Smet on, XXIX, 340; origin of name, 340.

Henry's Lake, to Red Rock, XXIX, 30.

Judith's Gap, XXIII, 70.

Lewis and Clark's, location, XXIX, 30, 340.

Maria's, location, XXIX, 30.

Minto, trail, XXX, 125.

McGillivray's, XXIX, 78.

Peterson. See Cottonwood, above.

Pinto, road, XXX, 184.

Puerto de don Fernando, XVIII, 375.

Reynolds, XXVII, 175.

Rocky Mountain, XXIX, 29, 30, 74.

St. Regis, XXVII, 362, 379.

Simpson, XXIX, 216.

South (Great Gap), location, XVIII, 140, XXVII, 242, XXVIII, 11, 114, 222, 223, 282, 304, 318, XXIX, 29-31; as a boundary, XXI, 184, 187, XXVIII, 116, 305, XXX, 260; Oregon expedition on, XXI, 58; Kearney, XXX, 45, 66; Palmer, 71, 247; described, 28; sketch, XXI, 58, 59.

Teton, Oregon expedition on, VII, 182, XXI, 60.

Thornburg's, entrance, XXI, 242; named, 241.

Twin Creek, XXVIII, 193.

Walker's, origin of name, XXX, 70; as a highway, 91.

Yellowhead, VI, 356, XXIX, 252.

Passion flowers, cultivated, XXII, 58.

Passitopa, Ponca Indian, XXII, 283.

Passports, mercantile, XX, 147, 148, 171, 176; Mexican, XVIII, 265, 300, 301, 309, XIX, 176, XX, 149; Spanish, XVIII, 15; United States, XII, 106, XVIII, 230, XX, 23, 27; Clark grants, XXII, 217.

- Passyunk (Pa.), Croghan in, I, 51.
- Pasteur, C. P., publisher, VI, 16.
- Patterson (N. J.), silk industry in, XXII, 127; Welby, XII, 167.
- Patoka (Mex.), described by Pattie, XVIII, 151.
- "Patriot," pilot-boat, XII, 98.
- Pattas (Mex.), Baring purchase in, XVIII, 360.
- Patten, John, sketch, I, 74-76.
- Patterson, —, killed in skirmish, II, 53.
- Patterson, —, aids Long, XIV, 36.
- Patterson, —, in Indiana, IV, 266.
- Patterson, —, in Pennsylvania, III, 169, 170.
- Patterson, J. B., *Black Hawk*, XXVI, 282.
- Patterson, John, in Helena (Ark.), XIII, 89.
- Patterson, Robert, in Kentucky, IV, 256.
- Pattie, James Ohio, sketch, XVIII, 11-19, 29, 30, 152; expedition to New Mexico, 30-73; in Taos, 73-75; at Santa Fé, 76, 144, 178; trapping on the Gila, 86-108, 119-138, 181-201; in Rocky Mountains, 97, 139-144; at copper mines, 108-119, 144, 156-159, 170, 177, 180; in Mexico, 144-156; trapping on Pecos, 160-169; on Colorado, 201-204; crossing the desert, 204-221; in California, 227-307; return through Mexico, 308-317; reaches home, 318-324; rescues Spanish maiden, 80-82; later meetings with, 110, 144, 170; attends fandango, 167; adventures with Indians, 77-82, 120-129, 131-136, 142, 143, 160-164, 173-175, 195-201, 206-211; with bears, 61-63, 92-95, 156-159, 282; with buffalo calf, 64, 158; illness, 216, 240, 242, 288; wounded, 135, 163-165, 170, 220, 221; lost, 169; robbed, 312, 316, 317; imprisoned, 232-249, 253, 258, 260, 263-268; attends father's burial, 242; hostage, 257-268; relations with Bradshaw, 236-238, 249-252, 258-262; with Long, 272; vaccination trip, 273-288; in Solis revolt, 289-298; relations with Echeandia, 228, 229, 232, 236, 237, 245-248, 257, 261-268, 273-275, 290, 300-303; learns Spanish, 112; interpreter, 245-248, 253, 259-262; sees bull-fight, 304; passports, 300-303, 307, 310, 314, 315; companions, 37, 85-87, 89-92, 111, 119, 122, 128, 159, 169, 180, 263, 288, 308, 316; geographical errors, 42, 50, 52, 130, 142, 277, 280, 281, 289; *Personal Narrative*, 37-324; editor, 17; authenticity, 25-27; cited, XIX, 122, 176, 178, 205, 250, 265, 266, 279, XX, 56, 82, 146, 157, 161, 191, 337, XXVI, 31, XXVIII, 115, 224.
- Pattie, Sylvester, sketch, XVIII, 10-15, 31-35; joins Pratte's expedition, 10, 39-41; made commander, 41, 43; leads expedition, 42-85; rents copper mines, 119, 156, 159, 160; prosperity, 144, 170, 171; defalcation of clerk, 159, 171, 178-180; forms trapping party, 181-183; leads expedition, 184-221; exhaustion in desert, 214-219; wounded, 161; horse shot, 185; rescued, 217-219; view of, 217; resents Spanish treatment, 231; imprisoned, 232, 301; note to son, 238; death and burial, 238-243; view of burial, 243; relations with Indians, 44-46, 55, 59, 60, 79-82, 115, 116, 174; passports, 38, 77, 84, 144, 181, 221, 229, 237, 267, 268, 302, 303.
- Patton, —, at Fort McKenzie, XXIII, 86, 135.
- Paul, —, in Madisonville (Ind.), XI, 167.
- Paul, Flathead chief, meets De Smet, XXVII, 251, 328; convert, 131, 293; has apparition, 347, 348, 384.
- Paul, Maj. —, tavern-keeper, X, 212, 213.
- "Paul Jones," Maximilian on, XXIV, 142.

Paulding, James Kirke, sketch, XII, 65.

Pauldingville (Mo.), road, XXVI, 278.

Paulin, Flathead chief, in battles, XXIX, 409.

Pavia lutea, *panax quinquefolium*, III, 32, 33.

Pavon, Joseph, botanical discovery, XIV, 154.

Pawnee (Pani) Indians, origin of name, XX, 341; stock, VI, 61, XIII, 133, XX, 297, XXII, 305; branches (Grand, Loups, Panimaha, Piqua, Republican, Tapage), V, 78, XIV, 233, XV, 141, 160, 161, 209, XVI, 95, XVIII, 41, XX, 337, XXI, 165, XXII, 336, XXIX, 380; habitat, VI, 77, XIV, 195, 233, 242, 276, XV, 94, 233, 238, XVI, 95, 106, 125, 139, 140, 164, 181, XVII, 67, 96, 256, XVIII, 12, 39, 41, 50, XXVIII, 121, XXIX, 230, 380; hunting grounds, XIII, 272; reservation, XVI, 254; boundary, 83; roads, XV, 193, 203; population, VI, 61, XV, 161, 215, XVII, 152, 153, XVIII, 41, XX, 341, XXVII, 166, XXVIII, 111, 121, 148; described, XV, 209, 210, XVII, 152-154, 158, XVIII, 41, XX, 337, XXI, 165, XXVII, 207, 208, XXVIII, 148, XXIX, 380-382; physical characteristics, XV, 71, 214, 215, XXII, 221; mental, XV, 38, 125, 126, 143, 145, 159, 162, 204, 210, 212, 216, XX, 337, 338, XXI, 149, 150, 166, XXVI, 77, XXVII, 208; language, XV, 37, 201, XVI, 199, XXVIII, 138; vocabulary, XIV, 18, XVI, 227, XVII, 290-298, 305, XXIV, 293, 294; sign language, XV, 253, XVIII, 40; interpreters, XV, 206, XVI, 200, 218, 225; river named for, XVIII, 50, XXX, 46; religious rites, XVIII, 44, XXVII, 157, 208-211; superstitions, XII, 50, XV, 141, XX, 351; creation myth, XXIX, 382; medicine men, XV, 56, 152, 212, 213, XVIII, 44; human sacrifices, XII, 50, XV, 151-154, XVIII, 44, XXVIII, 18, XXIX, 382-398; villages, XV, 149, 203, 223, XVI, 164, XVII, 262, XVIII, 43; winter migration, XV, 215, 216; lodges, 157, 164, 205, 215, XVIII, 41, XX, 71, XXIX, 381; occupations, XV, 144, 204, 207-209, 211; hunting, XXI, 150, XXIII, 368, XXVIII, 163, XXIX, 381, 382; agriculture, XV, 152, 204, 209, 216, 217, XVIII, 43; fences, XV, 217; caches, XIV, 277, XV, 215; domestic animals, 79, 207, 215; horse-stealing, V, 176; horse-trading, XIV, 302; utensils, XV, 76, 147, 205, 216, XX, 338; dress, XV, 164, 205, XVI, 115, XVIII, 43, 44, XXIX, 380, 391, 392; ornaments, XV, 205, XVI, 46, XVIII, 43; painted robes, XXIII, 263; calumets, XIII, 346, XV, 148, 163; intoxication, 49; feasts, 146, 157, 204, 206; dances, 125, 156, 200; games, 214, XXIII, 298; music, XV, 146, 156; squaws and marriage, 143, 152, XX, 339; chiefs, XV, 144, 300, 351; government, XXI, 165, 166; council, view of, XIV, 246; war-customs, 203, 205, XV, 150, 151-156, 160-162, XVI, 205, XVIII, 43-47, XX, 139, 210, XXI, 149, 158, 159, 165; treatment of captives, XVIII, 59, XXIII, 351, 390; slavery, I, 304; diseases, XIV, 14, XV, 208; mourning and burials, XIII, 116, XV, 161; intertribal relations, XIV, 232, XV, 157-160, 211, 212, XVIII, 47, XIX, 197, 210; with Arikara, V, 114, 173, XV, 219, XXIII, 386, 387, 394; Arkansas, XVI, 211; Cheyenne, 220, XVIII, 49; Comanche, 70, 71, XX, 125; Kansa, XIV, 199, 200, 206, XV, 91, 92, XXVII, 198, 205, 207, XXVIII, 87; Kaskaia, XVI, 116; Minitaree, XXIII, 383; Missouri, XVI, 171; Omaha, XV, 87, 88; Osage, XIII, 134, 247, 251, XVI, 267, XVII, 156; Oto, XIV, 311, XV, 34, 94, 95, 142, XVI, 217; Ponca, XXVIII, 147; Sauk, XIV, 315; Sioux, XXII, 326, XXVII, 207, 211, XXIX, 398; on Oklahoma reservation, VI, 61; relations with whites, XIV, 224-227, 240-244, 247, 259, XV, 347-354, XVII, 72; with French, XV, 202, 203, 220, XVI, 226; Spanish, XIV, 152, XV, 113, 160, 225, XIX, 285; Mexicans, XXX, 70; fur-traders, XIV, 223, XV, 143, 201, 213, XX, 91, XXVII, 207; trading-posts among, VI, 88, XXIX, 232; relations with emigrants, XXX, 251-253; with government, XIV, 244, 247, XV, 142, 143, 147, 149-151, 155-157, 161-163, XXIII, 390; medals for, V, 191, XII, 50; presents, XV, 156, 157, 356; land-cessions, XXVIII, 149; visit Washington, XVIII, 43; agents for, XIV, 126, 226, XV, 140, XXII, 234, 267; hostility of, XIII, 246, XIV, 12, 244, XV, 98, XVII, 96, XIX, 195, 205, XX, 111, 207-210, XXII, 284,

PAWNEE INDIANS (continued)—

XXVIII, 72, 91; relations with Long's expedition, XIV, 13, 14, 183, 203-205, 240, XV, 204-210, 218, 227, 229, XVI, 42, 55, 58, 261, XVII, 99; at encampments, XIV, 240, 261; O'Fallon's expedition, XV, 144, 163; Pike's, XVI, 230, XVII, 76; Pratte's, XVIII, 12, 43-48, 56; Wyeth's, XXI, 163; relations with De Smet, XXVII, 166; Dorion, XIV, 241, 242; Minter, XIX, 238; Murray, 161; Palmer, XXX, 48; Sibley, VI, 61; portraits of, XII, 51.

Pawnee County (Kans.), streams in, XVI, 227, 228, XIX, 211.

Pawnee County (Okla.), Oto in, XXVIII, 146.

Pawpaws, habitat, VIII, 276, XIX, 61, XXII, 152, 250; soils adapted to, XVII, 143; quality, 28; abundant, XVI, 189, XXIV, 118, 121, 131, 147; cultivated, XXII, 152; garments woven of, XIII, 258; Nuttall observes, 148; Welby, XII, 208; Woods, X, 199; described, 249, 308, XVI, 184, 189; *anona glabra*, III, 359, IX, 121, XXVII, 69; *triloba*, III, 138, 176, 212, 229, V, 257; *asinina triloba*, VIII, 284, XXII, 148, 159, 166, 185; *porcelia triloba*, XIII, 57.

Pawtucket (Mass.), described by Maximilian, XXII, 52.

Paxson, Charles, merchant, X, 44.

Paxton (Pa.), Jameson in, IV, 42.

Payette, —, at Fort Boise, XXVIII, 320, 322; parts with Farnham, 323.

Pays Plat, trading-post, II, 11, 81, 139, 142, 144, 164, 177.

Payton, Capt. —, in New Orleans, IV, 361.

Pea, J. Elliston, in South Carolina, XI, 86.

Peaches, habitat, III, 191, 214, 241, 269, 289, 298, 299, IV, 115, 313, 317, 353, 356, V, 281, VIII, 268, IX, 39, X, 186, 309, XI, 183, 284, XII, 163, XIII, 113, 129, XIX, 33; cultivated, V, 260, X, 189, 313, XIII, 102, 301, XIV, 134, XXII, 78, XXX, 180; abundant, V, 284, IX, 59, X, 224, 240, XII, 71, 205, XXII, 130, 183, 240; small, IX, 75; wild, XI, 142, XXVII, 69; when ripe, XIX, 76; weight, IX, 254, 255; quality, 254, XI, 132, XII, 211, XIX, 296; article of trade, X, 192, XXII, 130; prices, IX, 254, X, 75, 236, 247, 253, 255, XI, 119, XII, 205, XIX, 136; brandy from, III, 184, 191, 242, 269, XIX, 33; dried, X, 199; fed to hogs, 232; orchards, method of planting, V, 310; when budded, XIX, 75; in bloom, X, 353, XIX, 70; Persian, naturalized, XIII, 142.

Peacock, —, in Philadelphia, IV, 366.

"Peacock," British ship, VIII, 241; wrecked, XXIX, 138.

Peacocks, scarcity of, XIX, 325; fans of feathers, XXII, 68.

Peak, Señorita. See Pico, Señorita.

Peak, Benjamin, grave, VII, 52.

Peale, Charles Wilson, organizes Pennsylvania Academy of Fine Arts, IX, 55. For Peale's Museum, see T. R. Peale.

Peale, Rembrandt, artist, XIV, 40.

Peale, Titian Ramsey, naturalist, XIV, 11, XV, 191, XVII, 93, 97; with Long, XIV, 40, 42, 114, 127, 157, 172, 182, 248, XVI, 58, XVII, 12, XXII, 69; with James, XV, 290, 293; miscellaneous expeditions, XIV, 14-16, XV, 238, 279, 280; in Cape Girardeau, XVII, 88; New Orleans, XIV, 25; Philadelphia, XVII, 103; South America, XXII, 70; hunting, XIV, 167, 247, 256, 278, 284, XV, 234, 260, 313, XVI, 44, 99, 123; fishing, XIV, 277; collects specimens, 252, XVI, 88, XVII, 181; flower garden, XVI, 144; lost, 124; horse exhausted, 161; ill, 82, 87, XVII,

- 85; museum, XII, 67, XV, 219, XXII, 60, 69, 70, XXIV, 191; relatives, XV, 238; sketches, 302, 313, XVI, 88, 91; *Mammalia and Ornithology*, XIV, 40.
- Pearce, Paul, Indian trader, I, 62.
- Pearls, as ornaments, XXVII, 163, 173, XXIX, 386, 393; as present, XIII, 332.
- Pears, III, 299, IV, 249; scarce, IX, 75, 254, XXII, 183; plentiful, IX, 60, XI, 95, XXII, 258, XXVII, 69; cultivated, XIII, 301, XXIX, 87; luxuriance of, IX, 39; prices, X, 75; article of trade, 193, XX, 203.
- Peas, soils adapted to, XVII, 143; when planted, XIX, 75; cultivated, V, 157, VI, 375, 379, 388, X, 209, 296, XXVIII, 334, XXIX, 40, 87, 90, 185, XXX, 111, 189; quality, X, 353, XII, 94; abundant, 71, XXIX, 22, XXX, 46; as supply, XII, 157, XXIX, 169; article of trade, XXX, 108; food, XI, 62, XXI, 301, XXIX, 325; Indian, X, 304, 305; wild, III, 289, XVI, 245; sweet (*lathyrus*), X, 303, XV, 200.
- Pecan Point (Ark.), size, XVII, 127; settlements, 77.
- Pecans (*carya* or *juglans olivæformis*), habitat, III, 73, 81, V, 255, 257, X, 306, XVI, 168, XVII, 63, 115, XX, 254, 258; abundant, XXVI, 181, XXVII, 45, 69; settlement named for, XIII, 280; Bell observes, XVI, 281; Flagg, XXVI, 65; Nuttall, XIII, 103, 242; described, X, 308, XIII, 323.
- Pecannerie settlement (Ark.), climate, XIII, 285; described by Nuttall, 280-282; population, 281.
- Peck, —, English emigrant, XI, 231, 232, 299.
- Peck, John M., founds seminary, XXVI, 203; residence, 252; aids Flagg, 31; translator, XXVII, 39; describes graves, 103; works cited, XXVI, 31, 105, 129, 212, 299, 340.
- Pecos Indians, stock, XIX, 266, XX, 59; language, 56; amusements, 62; caravan among, 93; pueblo abandoned, 57; population, XVIII, 77, XX, 59; sketch, 58-60.
- Pecten, described, XIV, 227.
- Pecung, trading-post, VIII, 30.
- Pecus (N. Mex.), pueblo, XVIII, 77; Pattie, 83.
- Pedicularia, observed by James, XV, 177, XVI, 15.
- "Pedlar," Hunt purchases, VI, 315, VII, 262; prices, 262; at Astoria, VI, 316, VII, 264; Farnham on, 186; Hunt, VI, 406, 407.
- Pedley, John, English emigrant, XI, 285, 290, 292, 299.
- Peekskill (N. Y.), immigrants from, IV, 231.
- Peel, —, in Wanborough (Ill.), XI, 304.
- Peel, Capt. —, in Oregon, XXIX, 193.
- Peel, Robert, dispute over Oregon Territory, XXIX, 209.
- Peeyou Indians, Kalapuya tribe, habitat, VII, 230.
- Pegreau. See Delassus.
- Pehriska-Ruhpa, liberality of, XXIV, 77; present received by, 58; superstition of, 76; head-dress, 74; with Maximilian, 83; portrait, XXIII, 259, 294, 354, XXIV, 48, 76.
- Pehtonista (who calls himself the east), in Fort McKenzie, XXIII, 163.
- Pekin (Ill.), Flagg in, XXVI, 129, 130, 141.
- Pelchimo, Flathead convert, XXIX, 409, 410.
- Pelefish (*platyrostra edentula*), described, XIII, 326.

- Pelicans, habitat, III, 76, VI, 52, 323, VIII, 309, XIV, 100, XXII, 262, 265, XXIII, 234, XXIV, 97, XXVI, 135, XXVII, 258, XXIX, 51; abundant, X, 253, XVI, 169, 172, XXII, 315, XXIII, 199, XXIV, 87, 104, 105; hunted, XVIII, 194; as food, XXVIII, 294, 301; brown (*pelecanus*), XV, 323; rough-billed (*erythrorhynchos*), 323, 327; white, XIII, 72, XVI, 168, XXI, 201; (*carbo*), XIV, 44.
- Pelidna, cinclus*, XIV, 255; *pectoralis*, 254, 255.
- Pell, Gilbert, marries Eliza Birkbeck, X, 48.
- Pelton, Archibald, among Snake Indians, VI, 271.
- Pemberton, —, with Woods, X, 222, 223, 262.
- Pemberton, Israel, in Philadelphia, I, 290.
- Pembina (B. C.), Belcourt in, XXIX, 240.
- Pembina (N. Dak.), site, XXIII, 353; Nolin in, VI, 395.
- Pemmican, how prepared, VI, 352, 380, XXII, 390, XXVIII, 154, 155; as food, VI, 356, 361, 385, XXIII, 27, 277; as present, VI, 376, XXII, 343, XXIII, 325; stored, VI, 364, 380, 381; in Indian folk lore, XXIII, 308.
- Pend d'Oreille Indians. See Kalispel.
- Pendleton (N. Y.), sketch, XXIV, 177, 178.
- Penguins, abundant, VI, 201, 203, VII, 50, 51.
- Pénicaut, —, with Le Sueur's expedition, XXVII, 43.
- Penn, John, governor of Pennsylvania, I, 57, IV, 45.
- Penn, Richard, land owner, X, 214.
- Penn, William, proprietor of Pennsylvania, IV, 43, XI, 171, XXI, 21; founds Philadelphia, XI, 111, XII, 81, 171, XXII, 64; relations with Indians, I, 34, 90, IV, 43, XI, 107, 210; condemns slavery, 108; statue, XII, 177.
- Penn family, estate, III, 51, 342, IX, 87, XIX, 28, XXVII, 92.
- Penn Cove, site, XXIX, 148; population, 98.
- Pennant, Thomas, *History of Quadrupeds*, XVI, 60; *British Zoology*, 60; *Arctic Zoology*, XXII, 224.
- Pennaway, —, farmer, IV, 166.
- Pennington, Dr. —, physician, IV, 87.
- Pennsboro (Pa.), Delawares in, I, 97, 99; Croghan, 70; Weiser, 44.
- Pennsylvania, IV, 50, IX, 214, XIV, 39, 40, XXII, 97; size, XVI, 173, XXII, 81; boundary, III, 33, 170, IV, 102, 237, 332, VIII, 55, 186, 258, X, 220, XIV, 59, XVII, 251, XIX, 27, 79, XXII, 146; boundary line disputes, I, 187, III, 51; Maryland boundary, I, 95, X, 213; Virginia, IX, 100; as a boundary, VIII, 56, 186, 187, 255, X, 35; climate, XII, 100; topography, XVII, 105-107; country described, IV, 310, XII, 20, 178, 181, 187, 196, 323, XIII, 35, 37-41, 44-47, XIV, 64, XXII, 73, 74, 77-81, 87-91, 100, 102, 112, 118, 129, 144, 146; geological formation, XIV, 53, 55; mountains in, III, 286-288, XIII, 148, 209, XIV, 52, XVII, 250, 252, 253, XXI, 37; valleys, XI, 165, XII, 21; rivers, V, 237, 274, VIII, 134, 258, XIV, 54; coal, III, 171, XIV, 57, XXII, 74; graywacke, XVII, 250; iron, 234; limestone, 248; trees and shrubs, XIII, 57, 173, XIV, 156, XXII, 102, 137, 152; animals, III, 146, XXII, 80, 83, 150, XXIII, 170; Indians in, I, 168, II, 29, 43, 46, VIII, 183, XVI, 47, XXI, 76, XXII, 96; purchase of, XI, 210; purchases land, I, 90, 92, III, 321, IX, 84; Indian deputies, I, 17, 18, 27, 186; relations with Indians, 17-291, IV, 60; with French, I, 23, 74, 84, 91, 238; French and Indian War, II, 48; frontier wars, I, 26, 186; settlement of, III, 162, 340, IV, 91, XI, 142, XXI, 21, XXII, 81; quality of soil, VIII, 193,

245, IX, 184, XXII, 88; price of land, IX, 183, XI, 161; classes of estates, III, 228; size of farms, IX, 236; agriculture, IV, 37, XII, 99, 100; cattle raising, IX, 80, 119, XII, 94, XXII, 185; horses, XII, 181; fences, XXII, 86; method of plowing, 133; production per acre, IX, 82, XI, 248; roads, I, 21, 22, 238, 262, III, 140, IX, 9; canals, XXII, 112, 123, XXVI, 49; railroad, I, 22; bank, IV, 78; currency, X, 187, 188; commerce, III, 252, 273, VIII, 195, 219, 222, XIII, 38; courts, XII, 303; death penalty, 85; elections, IX, 88, 256; manufactures, X, 51; mills, 58; penitentiaries and prisons, IX, 202, XIII, 292; prices, I, 227; attitude toward slavery, IX, 61, 145, XII, 200, 306, 309; schools, IV, 35; taverns, III, 147, VIII, 54, XII, 188, 191; troops, I, 57, 244, IX, 84, X, 356, XIV, 230; taxes, III, 144; Denny governor, I, 80, 234; Hamilton, 88; M'Kean, IV, 83; Penn, 43, 45; Snyder, 109; chief justices, I, 238, XXII, 127; capital, IV, 31, 32; legislature, III, 131, IV, 29, 109; senators, 99, IX, 71; character of people, III, 169, IV, 12, XII, 20, 21, 100, 101, 201; population (1802), III, 134, 136, 139, 140, 142, 143, 147, 152, 157; Dunkards in, XII, 206; Dutch farmers, XI, 135, XII, 17; emigrants, I, 48, XI, 109, 132, 139, 163, 176, XXII, 96, XXIV, 138; emigration from, III, 85, 189, IX, 97, 117, 304, 305, XI, 206; farmers, 133, 141, 175; Germans, I, 18, III, 49, 292, IV, 209, V, 312, 313, XIII, 44, XXII, 12, 103, 129, XXIV, 154; Harmonists, X, 56, 58, 312, XI, 251; Moravians, I, 177, 178, 195, XXIV, 154, 156; Quakers, III, 268, VIII, 184; Scotch-Irish, I, 136, XXIII, 38; squatters, XII, 298; Croghan, I, 47; Flint, IX, 175; Maximilian, XXII, 13; Nuttall, XIII, 12; Post, I, 178; Townsend, XXI, 132; Weiser, I, 44; other visitors and settlers, 27, 235, III, 51, 55, 97, 135, 178, 363, IV, 109, 202, 213, 262-264, 332, V, 61, X, 54, XI, 201, XII, 45, XIII, 25, XIV, 172, XIX, 174, 187, XX, 26, 107, XXII, 85, 235, 294, XXVI, 358, XXX, 39, 153, 162; Academy of Fine Arts, IX, 55; *Archives*, I, 34, 42, 59, 72, 83, 84, 88, 94, 100, 179-183, 185, 226, 234, 249, 261; *Colonial Records*, 15, 18, 20, 21, 31, 41, 45, 48-50, 53, 58, 59, 71, 72, 74, 78, 82-84, 88, 90, 92-94, 97, 100, 127, 179-181, 185, III, 321; *Farmer's Letters*, IV, 48; *Frontier Forts*, III, 32; *History of Western*, I, 53, 58, 72; *Historical Collections*, 15, 21; *Memoirs*, 90, 212; map, IV, 39.

Pennsylvania Railway, Fredericksburg branch, III, 50.

Pennyroyal, IV, 173; abundant, X, 207; observed by Woods, 203.

Penobscot Indians, language, II, 29; subtlety, XXVII, 65; at war, II, 55.

Pensacola (Fla.), location, VIII, 294; Spanish capture, III, 254, XXVI, 105; ceded to United States, VIII, 293, 294; commerce, 293, 294, XIII, 314; Brackenridge alcalde, VI, 11; Bouquet in, I, 283; Loftus, 305.

Pentacrinus (Parkinson), XIV, 226.

Pentareau, Lucas de, in Pittsburg, III, 31.

Penthorum sedoides, III, 30.

Pentland, Charles, in Fort Osage, XIV, 172; with O'Fallon, XV, 140; sketch, XIV, 172.

Pentstemon, XV, 187, XVI, 86; *angustifolia*, V, 318; *bradburis*, XVI, 144; *cristatum*, XV, 241; *erianthera*, V, 318, XV, 277, XVI, 17; *glabra*, V, 319; *gracile*, XV, 226.

Penukah-Zenin (elk's tongue), Blackfoot chief, XXIII, 153, 157, 159.

Peoria Indians, signification of name, XX, 298; tribe of Illinois, XIII, 322, XX, 297, XXVI, 123, XXVII, 35; habitat, XVII, 37, 40, 41, XXVI, 97; boundary, XXVIII, 134-136; population, XVII, 37, XX, 317, XXVIII, 121; described, XVII, 41, XXVI, 97, 98, XXVIII, 135; compared with Kickapoo, 140; united with Kaskaskia, 121, 134-136; exterminated by Sauk and Foxes, 142.

Peoria (Ill.), site, XXVII, 43; fort near, XIX, 46, XXVII, 37; Indians, XVII, 41; settlement, XXVII, 42; early history, XXVI, 133, 143, 307; mine near, XXVII, 93; described, XXVI,

PEORIA (continued)—

- 132-134; emigration from, XXVIII, 10, 52, XXX, 163; Culbertson in, XXIII, 38; Flagg, XXVI, 12, 136; Lee, XXVIII, 45.
- Peoria (Oregon), site, XXX, 177.
- Peoria County (Ill.), XXVI, 128, 136.
- Pepper, —, Virginia ferryman, III, 48.
- Pepper, as condiment, XXVIII, 79; supply, XII, 157, XXVIII, 11, 45, 184; scarce, 72, 236, 245; abundant, VIII, 32; article of trade, 31, 33-35; cayenne, XX, 66; green, XIX, 293; red, XVIII, 74, 146, XIX, 293.
- Peppermint, as remedy, XXII, 167, XXIV, 19; flavoring, XXII, 44; observed by Woods, X, 203.
- Pequea (pleasant fields) Indians, habitat, XIII, 37.
- Pequot Indians, valor of, XXVII, 65; land grant to, VIII, 127.
- Perch, habitat, XXVI, 135, XXIX, 93; *flavescens*, X, 40.
- Percy, Capt. Robert, in New Feliciana (Fla.), IV, 328, 333-335.
- Perdido (Mex.), described by Pattie, XVIII, 168.
- Perez, Col. Albino, governor of New Mexico, XIX, 271; note, 275; in revolt of 1837, 272, 275.
- Perez, Juan, exploration on Northwest Coast, XXVIII, 32; mountain named for, XXIX, 34.
- Périer, —, governor of Louisiana, I, 327, XIII, 303, 351.
- Peril, Col. —, in Ohio, XII, 16.
- Perinton (N. Y.), canal port, XXIV, 174; Maximilian in, 178.
- Perkins, —, Illinois farmer, IV, 273.
- Perkins, H. K. W., missionary to Oregon, XXVII, 389, XXVIII, 357, 358, 360, 367.
- Perkins, Joshua, in St. Clair County (Ill.), XXVII, 112.
- Perkins, Reuben, purchases land, XXIV, 182.
- Perkins, Rufus, relations with Pattie, XVIII, 235, 236, 238, 259-261; messenger, 298; interview with Spanish governor, 250, 251.
- Perkins, William Rufus, *History of Trappist Abbey*, XXVI, 193.
- Perna, fragment of, XIV, 223.
- Peron, François, *Voyage de découvertes aux terres australes*, XXIII, 257.
- Perreault, Guillaume, on "Tonquin," VI, 189, 195, 210.
- Perrie, —, in Florida, IV, 336, 337.
- Perrin, Glover, settles Perinton (N. Y.), XXIV, 178.
- Perrin, William H., *Pioneer Press of Kentucky*, III, 200.
- Perrot, Nicolas, French explorer, II, 87.
- Perry, —, befriends Pattie, XVIII, 322.
- Perry, —, on Thompson's Creek, IV, 344.
- Perry, —, labor agent, XI, 133; in Georgetown (D. C.), 135; advice to emigrants, 143, XII, 93, 94; quoted, XI, 134; prejudice, 136.
- Perry, J. W., on Clatsop Plains (Oregon), XXX, 193.
- Perry, Oliver Hazard, in War of 1812-15, I, 56, 151, VI, 17, VIII, 81, 239, 240.
- Perry County (Ark.), creeks in, XIII, 144.

- Perry County (Ill.), drainage, XXII, 210; creek in, XXVI, 367; prairie, 340.
- Perry County (Ind.), boundary, X, 248; seat, 246, XXII, 160.
- Perry County (Mo.), III, 80; bottoms, XIV, 98.
- Perry Township (Ohio), road, IV, 203.
- Persicaries, observed by Woods, X, 302.
- Persico, article of trade, X, 337.
- Persimmons (Indian date; *placminier*; *dyospyros virginiana*), habitat, III, 230, V, 256, 257, X, 306, XVII, 116, XX, 254; abundant, XVI, 156, XX, 258, XXVII, 45, 69, 75; character of, XXI, 249; dried, XIII, 330; pulp as flour, 321; Indian bread of, V, 62; eaten, XVI, 265; described, X, 308.
- Perth (Can.), location, IX, 322.
- Peru, rock salt in, XVII, 213; Spanish conquest, XXI, 30, XXVI, 230; Jesuits, XX, 286; form of government, XIII, 240; history, XI, 118; Alcedo y Bexarano in, XVIII, 375.
- Peru (Ill.), Illinois River at, XXVI, 126.
- Petalesharoo, Pawnee chief, XXIII, 390; character of, XV, 153, 154, 212, 354; relations with O'Fallon, 163, 352-355; adopts Ietan child, 154, 156; challenges Tarrarecawaho, 161; medal presented to, 154; described, 151.
- Petalosiemon*, *candidum* and *violaceum*, XIII, 158, XV, 241, XVI, 144.
- Peter, Captain, Indian, I, 220, 221, 256.
- Peter, Domine, speech to Clinton, XIII, 339.
- Peter, Flathead chief, XXVII, 131, 230, 234, 287, 324, 356.
- Peter, Kalispel chief, XXIX, 174.
- Peter, Dr. Robert, *Transylvania University*, IV, 184.
- Peters, Commodore —, in Shippingsport (Ky.), IV, 260.
- Peters, Secretary —, in Burnt Cabins (Pa.), III, 321.
- Peters, Richard, in Carlisle (Pa.), I, 84.
- Petersborough (N. H.), situation, VIII, 106; Miller in, XIII, 291.
- Petersburg (Ind.), sketch, XII, 11, XXIV, 142.
- Petersburg (Ky.), sketch, X, 238.
- Petersburg (Pa.), trail, I, 22.
- Petersburg (Va.), stage, III, 133.
- Petiniontonka, Indian deputy, I, 269, 270.
- Petit, —, farmer, IV, 278.
- Petit, Jean G., in Gallipolis (Ohio), III, 34, 35.
- Petite Robe (Itchetles Melakas), Indian chief, visit to St. Mary's, XXIX, 416.
- Petite Robe Indians, massacre of, XXIX, 242.
- Petites Côtes (Mo.), now St. Charles, V, 258, XXVI, 143.
- Petrels (*procellaria pelagica*), numerous, XXII, 38.
- Petrifications, in Lake Peoria, XXVI, 135; in Mississippi cliffs, XXVII, 110, 111; found by De Smet, 214, 226; Flag, XXVI, 292, XXVII, 72.
- Petroleum, sketch, XIV, 57; in spring, XXX, 66; Oil Creek, XXI, 40; West Virginia, X, 224; observed by Flag, XXVI, 50.

- Petrosilex, where found, XVI, 13, 41, XVII, 31, 49, 50, 56, 212; abundant, 227; white, 43; James observes, 52; Long, XV, 302; Nuttall, XIII, 211, 226, 229, 230; described, XVII, 43, 44, 222.
- Pettis, —, surveyor, XIII, 165, 168.
- Pettis, Spencer, fights duel, XXVI, 115, 272.
- Pettyford, —, home on Yellow Creek, IV, 103.
- Pettygrove, Francis W., in Portland (Oregon), XXX, 166, 223.
- Peuquemox (yellow serpent), Wallawalla chief, XXX, 229, 230.
- Pewtown (Va.), described by Woods, X, 203.
- Peyri, Padre Antonio, establishes mission, XVIII, 275.
- Peyton, —, expedition to West, XXVII, 236.
- Pfannenschmidt, F., *Geschichte der Trappisten*, XXVI, 192.
- Phacelia*, XIII, 206; observed by James, XV, 185; *fimbriata*, 318.
- Phænogamous plants, habitat, XV, 294.
- Pheasants, habitat, IV, 52, VI, 109, 323, XII, 296, XVII, 147, XXVII, 334, XXIX, 51; size, XII, 297; abundant, X, 205, XXII, 99, 104, XXIX, 289; hunted, XI, 228, XXII, 101, XXIX, 257, XXX, 260; eaten, XXVII, 400; Indian children named for, VII, 305; De Smet observes, XXIX, 184; Maximilian, XXII, 134, 168; *phasianus colchicus*, XII, 296; *tetrao umbellus*, XXII, 136; sea — see Ducks, pin-tailed.
- Phelps, Capt. Matthew, writes journals, IV, 308.
- Phelps, Oliver, founds town, VIII, 42.
- Phi Beta Kappa, addressed by Harris, III, 21.
- Philadelphia (Pa.), I, 195, IV, 73, IX, 114, X, 82, 212, XI, 105, 207, XIV, 152; location, III, 130, IX, 53, 184, XVII, 61, XIX, 94; elevation, XXII, 93; distance from Chambersburg, IX, 67; from Knoxville, III, 266; Newcastle, XI, 106; Pittsburg, XXI, 37; climate, IX, 182, XII, 81, 295, 309, 323, 324, XXIII, 238; meteorological observations, IX, 182; plants and animals, XIV, 74, 122, 250; rocks, 53, XVII, 188, 244; when founded, XXVII, 29; settlement, IV, 30, V, 258; Council, I, 19, 180, XXII, 112; Continental Congress, I, 131; Revolution, 163, IV, 29; compared with English Prairie, XII, 255; Lexington, XI, 188; Middle West, 143; New York, III, 125, 126, IX, 53, XII, 171; Washington, 87; roads, III, 153, 187, 261, 337, 339, IV, 29, 31; mail routes, III, 42, 44, IV, 51; stage routes, III, 133, 313, IV, 51, 112, 169, 249, IX, 48, 51, 65, 67, 81; trade routes, III, 98; to Limestone, 35; Lincolnton, 291; Nashville, 252; New Orleans, 240; Pittsburg, 157, 158, IX, 65, XIII, 41, XVII, 253, XIX, 26; Wheeling, III, 172; railroad, XXIV, 191; emigrant port, V, 298-301, IX, 164, XI, 194, XIX, 26; trade centre, III, 122, 145, 147, 177, 195, 202, 204, 205, 251, 343, IV, 36, 51, 54, 62, 229, VIII, 249, 269, 304, 339, IX, 73, 86, 281, X, 57, 79, XI, 148, XII, 84, 221, 267, 291, XIX, 27; cattle market, III, 245, IX, 80, X, 204; cotton, III, 252; flour, 238, 298; ginseng, 231, 233; ice, XXI, 27; paper, III, 200, IV, 244; provision, III, 266; sulphur, 202; prosperity, XII, 236; decline, IX, 59, XI, 161; unemployed laborers, IX, 274, XI, 113, XII, 80; wages, III, 201, IX, 226; cost of living, XI, 163; fuel, XII, 276, XXII, 89; price of, X, 42; transportation prices, IX, 105; freight rates, III, 241; prices, 131, 157, IX, 74, XII, 270, XIII, 65, XXI, 193; taxes, XII, 297; manners and customs, 196; incendiarism, 333; sanitary conditions, 172; health, III, 205, IX, 53, 54; cholera, XXII, 84, 127; yellow fever, III, 120; Indians in, I, 20, 43, 74, 185, 186, 209, 217, 263, 264, 275, III, 321, XI, 247, XII, 51; arsenal, III, 32; botanical gardens, 97, 132; breweries, XI, 115; brick houses, III, 136; Fairmont Park, IV, 29; Independence Hall, IX, 55; insane asylum, XII, 174; library, 122, 173; light house, XI, 106; mint, III, 51; natural history collections, XVII, 93; penitentiary,

XII, 174; prisons, III, 201, XII, 66; publishing houses, I, 63, XI, 272, XIV, 18, 76, XIX, 15, 161, XXI, 79, 353, XXII, 70; quarantine station, XI, 106; sewerage, X, 70; state house, XXII, 63; street lamps, III, 130; Washington Hall, XII, 316; waterworks, IV, 28, XII, 280, XXII, 123; Woodlawn cemetery, III, 132; miscellaneous societies, IV, 27, 28, IX, 55, 182, 269, XIX, 99; Academy of Natural Science, XIII, 12, 14, 15, 18, 25, 26, 168, 305, 326, XIV, 40, 46, 107, XV, 166, XVI, 128, XXI, 14, XXII, 13, 79, 163, XXIV, 191; American Philosophical, I, 135, III, 131, XIII, 11, 12, 14, 15, 18, 25, 26, 283, XIV, 36, 46, 249; Geological Society, XXIII, 60; Museum, IX, 55, 58, XIV, 78, XV, 69, 222, 279, 300, 304, 313, 314, XVI, 38-40, 50, 54, 88, 213, 284, XXII, 49, 60; bankers, XI, 273; botanists, III, 131; geologists, I, 126; Harmonists, V, 314; Indian traders, IV, 240; land owners and agents, 158, X, 11, XII, 67; prices of land, 69, 322, 323; lawyers and law suits, I, 57, XII, 303; manufacturers, IX, 122; mechanics, VIII, 250; medical profession, IX, 182, XII, 315, 316, XV, 69; merchants, III, 159, 172, 203, XIV, 40; preachers, XXVI, 311; Quakers, X, 145, 161; scientists, XIII, 36, XIV, 107; Zoar colonists, XXIV, 155; Croghan, I, 88; Cuming, IV, 7, 8, 23, 25, 29; De Smet, XXVI, 14, XXIX, 191, 380; Faux, XI, 13, 106, 107, 112, 158-160, XII, 66, 68, 79, 86; Flint, IX, 9, 48, 53, 55, 79, 115; Flower, X, 91; Franklin, IV, 332, XII, 174, XIV, 150; Hulme, X, 23, 35, 81-83; Long, XIV, 250, XV, 165, XVI, 88, XVII, 94, 103; Maximilian, XXII, 12, 60, 62, 69, 72; A. Michaux, III, 12, 16, 27, 28, 35, 44, 51, 52, 97; F. A. Michaux, 129, 131, 133, 134, 306; Nuttall, V, 38, XIII, 11, 12, 15, 17, 29, 35; Post, I, 187; Townsend, XXI, 14, 15; Welby, XI, 15, XII, 269, 274, 292, 294, 325, 331; other visitors and early settlers, I, 182, 235, 282, 290, III, 90, 97, 135, 208, 255, 363, IV, 29, 41, 50, 66, 87, 96, 100, 110, 169, 193, 333, 339, 350, 366, V, 10, 197, 198, 238, VIII, 56, IX, 36, 56, 93, 94, X, 44, XI, 68, 120, 122, 124, 162, 189, 257, XII, 67, 108, 171, XIII, 283, XVI, 127, 128, XVII, 93, 103, 263, XVIII, 350, 351, XIX, 174, XXII, 32, 39, 64-66, 123, 125, 139, 147, 149, XXIII, 198, XXIV, 191, XXVI, 31, 65, XXVII, 78; population, III, 130, IX, 54, XXII, 64; described, IX, 53-64, XII, 172-177, XXII, 62-65, XXVII, 393; sketch, III, 130; *Aurora*, X, 80, XII, 306; *Independent Gazetteer*, XI, 124.

"Philadelphia," Maximilian on, XXIV, 191.

Philadelphus inodorus, III, 62, 63, 83.

Philip Township (Ill.), drainage, XXII, 188.

Phillips, —, in Princeton (Ind.), XI, 214, 215, XII, 11; success of, XI, 216, 218; in Washington (Ky.), XII, 15; opinions on farming, XI, 220.

Phillips, Maj. —, tavern-keeper, X, 258, 259; Woods visits, 301, 315; in Shawneetown, 311.

Phillips, Charles, Irish barrister, XI, 172.

Phillips, Sylvanus, on St. Francis River (Ark.), IV, 296-298.

Phillips, Thomas, *Voyages*, III, 15, 117.

Phillips County (Ark.), origin of name, IV, 297.

Phlox, habitat, III, 53, 103, XIII, 208, XIV, 107; cultivated, XXII, 186; in blossom, 264; various species, XIII, 199; azure, XXIV, 108; *divaricata*, XIV, 61; *lanceolata*, III, 53.

"Phoebe," British frigate, VI, 295, 299, VII, 250.

Phoenix (Ariz.), Gila River in, XVIII, 130.

Phryganea, food for terns, XIV, 80.

Phryma leptostachia, III, 29.

Phyllanthus, observed by Nuttall, XIII, 209.

Physicians and surgeons, I, 109, IX, 196, XI, 33, XII, 93; standing, VIII, 259, XII, 315, XVIII, 357; inferiority, IX, 196, 219, XI, 144, 236, 243, XXI, 94; scarcity of, XVI, 190, XVIII, 352;

PHYSICIANS AND SURGEONS (continued)—

competition, 346; in hospitals, XXII, 59; with colonists, XIX, 220, XXVI, 307; at Indian missions, XXVIII, 127, 134, 338, 376, XXIX, 20; attend negroes, XI, 89; adopt vaccine theory, XV, 202; as landlords, XII, 227; speculators, IX, 219; exempt from liquor law, XXX, 311; veterinary, III, 244, XII, 20; American, IX, 182, XVIII, 346; English, I, 118; French, 114; quackery, XI, 90, XII, 316, XIII, 109; prescriptions, XI, 33 (see also Diseases and Remedies); fees, XII, 212, 315; instruments, XV, 212; advice to Gregg, XIX, 162; with Hudson's Bay Company, XXI, 15; Long, XIV, 11, 42; Astorians, VII, 92, 94; in Arkansas, XIII, 167, 292; Florida, IV, 335; Illinois, X, 272, XII, 250; Indiana, XI, 229, XXII, 199; Kentucky, III, 205, 247, IV, 186; Louisiana, VIII, 345; New Mexico, XX, 25; New York, III, 126, XIV, 13; Northwest Territory, V, 312; Massachusetts, VIII, 89, XI, 67, XXI, 13; Middle West, XII, 107, 293; Missouri, XI, 207, XXIV, 124; New England, XX, 334; New France, VI, 13; Ohio, IV, 146, 211, VIII, 87, 88, IX, 102, 241, XXII, 155, XXVII, 96; Oregon, XXIX, 167, XXX, 159; Pennsylvania, III, 97, 146, 152, IV, 55, 79, 87, 110, IX, 182, XII, 122, XIV, 40, XXII, 64, 132; South Carolina, XI, 68; Washington (D. C.), XII, 58; on "Resolution," X, 183, 187; "Tonquin," VI, 408; "Wade Hampton," XII, 68; in Fort Leavenworth, XXII, 252, XXIV, 114; Fort Union, XXII, 386, XXIV, 14; Fort Vancouver, XXI, 330, 334, 341, XXIX, 66; Fort William, VI, 388; in United States army, XIV, 39, 41, 230, XV, 166, XXIV, 147; Revolution, V, 66.

Physick, Dr. Philip S., described by Welby, XII, 314.

Physostegia virginiana, III, 28.

Phytolites, in sandstone, XVII, 255; coal beds, XIV, 58; observed by Nuttall, XIII, 41, 172.

Piah-Sukah-Ketutt (speaking thunder), hunter, XXIII, 203.

Piankashaw (Piangusha) Indians, habitat, I, 142, 168, XXII, 178; stock, XX, 297; numbers, I, 168, XX, 317, XXVIII, 121, 136; relations with English, I, 53, 91, 142, 154; land grants, XXII, 178; described, XXVIII, 134, 135; sketch, 135.

Pica hudsonica, habitat, XXIV, 44.

Picacheh (N. Mex.), Pattie at, XVIII, 85.

Pickaway County (Ohio), streams in, XXIV, 151; rich land, IV, 220; Indian forts, XIX, 87; seat, XXIV, 149; Flint, IX, 298.

Pickaway Plains (Ohio), location, XXIV, 149; in Dunmore's War, IV, 220; described, IX, 303, 304.

Pickawillany, Twigtwee town, I, 53, 122; Croghan in, 12; Gist, 91; treaty, 53.

Pickaxes, IX, 123, XXII, 122, XXIX, 183.

Pickerel, in upper lakes, II, 79; Nipigon lakes, 118, 150; Lake Shaboomoochoine, 197.

Pickerel-weed, *pontederia lanceolata*, XXII, 100; *cordata*, 68.

Pickering, John, editor, II, 29; philological studies, XXIV, 202.

Pickering, Timothy, rescued, XXII, 112; statesman, XXIV, 202.

Pickets, —, mill owner, IV, 135, 136, 139.

Pickett, Albert James, *Alabama*, VIII, 73.

Pickrell, William S., plats town, XXVI, 321.

Pico, Señor, Spanish sergeant, XVIII, 265; befriends Pattie, 265.

Pico, Señorita, in San Diego, XVIII, 260; befriends Pattie, 265, 268, 269.

- Picoté, Marie François, Sieur de Bellestre, in French and Indian War, I, 113, 114, 120, XXIV, 187; sketch, I, 108.
- Picotte, Charles F., in Dakota history, XXIV, 16.
- Picotte, Honoré, fur-trader, XXII, 232, XXIV, 16, 88; post of, 48, 63, 64, 85; present to Indians, 56; caulks boat, 81, 82; relations with Fort Clark, 56, 58, 66, 72, 75, 76, 79; with De Smet, XXVIII, 18, XXIX, 369; sketch, XXIV, 16.
- Picquet, Father François, Sulpitian missionary, II, 47.
- Pictou (N. S.), port, XI, 62.
- Picus pubescens*, observed by Maximilian, XXIV, 31, 44.
- Picuris pueblo, XIX, 303, XX, 63; language, 55.
- Piegan (Piekann) Indians, stock, XXIII, 75, XXIX, 341, 359; language, XXIII, 95; appearance, 96-98; character, 95; ornaments, 100; beaver trappers, 162; relations with Blood Indians, 159, XXIX, 362-364; Blackfeet, XXVIII, 17; Cree, XXIX, 359; with whites, XXIII, 96, 164, 165; American Fur Company, 161, XXIV, 317; trade with Fort McKenzie, 92, 157, 163; Christian converts, XXIX, 346, 347, 358-362; portrait, 107.
- Pierce, President Franklin, appoints Palmer, XXX, 16.
- Pierce County (Wash.), mount in, XXIX, 33.
- Pierce Iron, Minitaree partisan, XXIV, 81.
- Pierced-Nose Indians. See Nez Percés.
- Pierie, Capt. —, surveys Niagara Falls, II, 50.
- Piernas, Capt. Don Pedro, lieutenant-governor of Louisiana, XXVI, 152.
- Pierre, —, murdered by Blackfeet, XXI, 63.
- Pierre the Left-handed (*gaucher*), mission to St. Louis, XXVI, 15.
- Pierre (S. Dak.), site, XXII, 315; fort near, V, 184.
- Pierre's Hole (Idaho), trail, XXVI, 16; fur trade rendezvous, XXI, 11, 57, 63, XXVII, 170; Indians in, XXI, 83, XXVII, 175; Wyeth in, XXI, 11, 24, 30, 64, 68, 81; Sublette, 73; Stephens, 73; battle of, 14, 58, 69-72, 78, XXIII, 72; sketch, XXI, 63.
- Pigeons, XI, 49; habitat, VI, 75, 323, X, 315, XVII, 147, XXI, 269, XXII, 195, XXIV, 86, XXVII, 131; abundant, VII, 54, IX, 301, X, 45, 63, XI, 174; scarce, XIX, 325; migrations, XXII, 196; flocks, X, 341; hunted, 39; wild, XVI, 259, XIX, 140, XXI, 126, XXII, 127, XXIII, 32, 250; band-tail (*colomba fasciata*), XV, 299, 300, XXI, 320; Carolina (*carolinensis*), XV, 322, 327, XXII, 292, 298, 312, 385; passenger (*canadensis* or *migratoria*), V, 68, XV, 322, 327; ring-tail (*caribæa*), 299; described, V, 68, 69, X, 291, XI, 175; roosts described, 236, 237.
- Pig-nut (*juglans minima*), III, 127.
- Pig weeds, habitat, XXX, 115.
- Pigs. See Hogs.
- Pike, Gen. Zebulon Montgomery, in Kentucky, VIII, 280; among Northern lakes, II, 118, 142, 150, 197; Rocky Mountain expedition, XVI, 243, 272, XXVI, 117; in Fort Gage, XXVII, 62; erects block-house, XVI, 32; on Oil Creek, XXVIII, 192; Red River, XVI, 85; Rocky Mountains, XV, 271, XVI, 174, XVII, 180, 244; Arkansas River, XIII, 12, 197, 237, XIV, 16, XV, 193, XVI, 26, 34, 52, 230, XVII, 259, XXVIII, 15; at Pike's Peak, XV, 287, 301, 314, XVI, 36, XVII, 257, XXVIII, 190; ascends a mountain, XVI, 20; in South Park, XV, 292, XXVIII, 199; on Rio Bravo del Norte, XVIII, 75, XXVIII, 115; arrested by Spaniards, XVII, 76, XVIII,

PIKE (continued)—

- 9; in New Mexico, XIX, 173-175, 272; Mexico, XVIII, 345, XIX, 16; meets Cameron, V, 157; relations with Indians, 192, IX, 188, XIV, 244, XV, 14, 144, 215, XVI, 274, XVII, 155, XXII, 221, 304; in Cincinnati, XIX, 38; town named for, IX, 117; daughter, XXIV, 138; portrait, IX, 161; astronomical observations, XVI, 27; geographical nomenclature, XIII, 197, 263; story of scorpions, XX, 166; presents grizzly bear, XVI, 50; maps, V, 194, 242, XV, 235, XVI, 35, 53, 62, 74, XVII, 100; literary style, XVIII, 348; *Expeditions to Sources of Mississippi*, VI, 155, XIV, 195, XXVIII, 152; *Voyage to Sources of Arkansas*, XVI, 77; narratives cited, 32, 36, XIX, 38, 173, XX, 164, 187, 251, XXII, 305, 306, XXIII, 191, XXVIII, 153, 221; sketch, VIII, 280, XIX, 175.
- Pike (fish), habitat, XXII, 170, XXIII, 250, XXVI, 135.
- Pike County (Ark.), Little Missouri River in, XVII, 53.
- Pike County (Ill.), in bounty tract, XXVI, 128, 129.
- Pike County (Ind.), seat, XII, 11.
- Pike County (Ohio), origin of name, IX, 117; road, IV, 203.
- Pikes (tools), as equipment, VIII, 30.
- Piketown (Ohio), described by Flint, IX, 117.
- Pilcher, Maj. Joshua, fur-trader, XIV, 269, XVIII, 37; residence, XXIII, 219, XXIV, 107; medicine chest, 107; on Arikara expedition, XXIII, 224, XXIX, 370; establishes fort, XXII, 364; commands post, 267, 274, XXIV, 14, 106; relations with Maximilian, XXII, 235, XXIII, 223, XXIV, 106, 107; sketch, XIV, 269.
- Pilchimo, Flathead convert, XXVII, 232; expedition against Blackfeet, 279, 280; bravery, 286.
- Piles, —, in Philadelphia, III, 131.
- Pilgrims, fanatical sect, XIII, 294, 295.
- Pilkawa Prairie (Ind.), described by Evans, VIII, 283, 284.
- Pillager Indians, habitat, XXVIII, 156.
- Pillet, Francis Benjamin, with Astorians, VI, 238, 239, 336, 407, VII, 41, 154; on "Tonquin," VI, 194; in Hawaii, 219; interpreter, 251; with Stuart, 254, 259, 260, 267, VII, 115; with Clarke, VI, 277, VII, 208; at Oak Point, 314; messenger, 352; on Athabasca River, 356; at Kootenay Post, 210; hunter, VI, 364; accident to, 362, VII, 240; lost, VI, 368; sketch, 267.
- Pillsbury, Ithamar, founds town, XXVI, 307.
- Piloncillo, Mexican cake-sugar, XIX, 309.
- Pilosa oleracea*, leaves, XVI, 86.
- Pilot Knobs. See Mountains: Three Tetons.
- Pilot-fish, described by Evans, VIII, 359; Welby, XII, 160.
- Pilots, signaling methods, XI, 52, 53; skillful, XIV, 72, XXVII, 366; wages, V, 301, XIV, 71, XXVI, 265; in Baltimore, X, 184; Belise (La.), VIII, 356, 357; Boston, XI, 48; on Columbia River, XXI, 309, 311, XXIX, 284; Delaware Bay, XII, 336, 338, 339; Lake Erie, VIII, 79; Louisville, IV, 260, V, 301; Martha's Vineyard, XI, 52; Massachusetts Bay, XXII, 41; Mississippi River, IV, 370, 371; Missouri River, XXII, 250, XXIII, 182, XXIV, 101; New York Harbor, VI, 196, IX, 27, XII, 162; Ohio River, III, 165, VIII, 258, 279, IX, 160, 287, X, 231, 242, 243, XIV, 71, XIX, 42, XXVI, 71, 72, 78; on vessels, IV, 376, VI, 315, 316, VII, 43, X, 180, XI, 34, 38, XVII, 103; Iroquois as, XXVII, 154, XXIX, 178, 268.

Pima (Pipi) Indians, ancestors, XX, 68; defeat Yuma, XXVIII, 261; attack Pattie, XVIII, 200, 201.

Pimelia, habitat, XVI, 44.

Pimeteois Indians, branch of Illinois, XIII, 322.

Pimistiscotyan Landing, Long at, II, 115, 198, 214.

Pinal County (Ariz.), ruin in, XX, 68.

Pinckney, Charles, United States minister to Spain, III, 39.

Pinckney, Ninian, at Fort Niagara, VIII, 159, 164, 165; sketch, 159; *Travels in South of France*, 159.

Pinckney, William, statesman, VIII, 159; described, XII, 31-36; sketch, 31.

Pinckney (Mo.), sketch, XXII, 240.

Pinckneyville (Ill.), road, XXVI, 366; Flagg in, 12, 363, XXVII, 19; described, XXVI, 367, 368; sketch, 367.

Pinckneyville (Miss.), population, IV, 331; Cuming in, 329-345.

Pingoneau (Pensoneau), Etienne, plats Jacksonville, XXVII, 119.

Pine barrens (S. C.), described, III, 294, 302.

Pine Bluff (Ark.), early settlers, XIII, 140; Vaugine, 138; sketch, 139.

Pine Hills (Va.), Woods in, X, 203.

Pine Plains (N. Y.), Moravians in, I, 177.

Pineapples, abundant, IX, 60; article of trade, X, 192; prices, 193; observed, XII, 125.

"Pinelore" (fire-canoe), first steamer on Red River, XXVI, 64.

Pines, III, 160, 173, IV, 49, 57, 351, IX, 322, X, 75, XI, 246, XIV, 56, 137, XV, 309, XVI, 31, XVIII, 107, XIX, 164, 335, XXII, 99, 100, 104, 109, 189, 212, 241, 376, XXVII, 228, XXVIII, 337, 357, XXIX, 66, XXX, 225; habitat, III, 90, 262, 293, IV, 57, 160, 351, VI, 156, 345, 396, VII, 229, VIII, 187, 221, 228, X, 315, XII, 323, XIV, 56, 137, XVII, 43, 58, 63, 222, 223, XVIII, 336, 349, XIX, 164, XXII, 135, 209, XXIII, 244, XXIV, 182, XXVII, 67, 162, 225, 372, XXIX, 212, 345, XXX, 65; soils adapted to, XVII, 235; quality, XXIX, 46; size, X, 210, XXVII, 340, XXVIII, 195, XXIX, 42, 47-50; abundant, XVIII, 160, 278, 281, 375, XIX, 64, XXI, 239, 271, 273, 275, 301, 365, XXII, 48, 51, 62, 67, 89, 92, 98-100, 102, 134, 136, XXVII, 227, 241, 257, 334, 339, 360, 365, XXVIII, 187, 188, 199, 200, 216, XXIX, 14, 16, 18, 30, 35, 36, 38-45, 64, 67, 87, 166, 178, 185, 195, 197, 200, 208, 246, 251, 266, 282, 290, 302, 309, 336; scarce, XV, 300, XVII, 52, XVIII, 33, XXI, 245, XXII, 166, XXIX, 49; as fuel, IX, 151, XXI, 92, XXIX, 264; lumber, III, 160, VIII, 269, IX, 163, X, 253, XXII, 98, XXVIII, 357, XXIX, 65; branches, 264, 298; seeds, XVI, 37; observed, X, 184-186, 200, 203, 204, XII, 192, 288, XIII, 139, 193, 200, 207, 209, 211, 223-227, 287, 306, XVI, 15, XVIII, 87, 118, XX, 156, XXI, 351, XXIII, 52, 55, 59, 65, 67, 81, XXVIII, 179, 198, 213, 217, 230-232, 324, 328, 356, 359, 367, 374, 375, 377, XXIX, 205, XXX, 79, 80, 82, 96, 104, 106, 153, 154, 171, 181, 182, 289, 295; varieties, X, 206, XXVIII, 372, 373, XXIX, 264; Canadian (*pinus canadensis*), III, 47, 99, XXII, 67, 102, 103, 132, XXIII, 175; elastic, XXVII, 257; Norway (yellow; *resinosa*), VI, 350, VIII, 269, IX, 256, XV, 43, 306, XVII, 77, XXII, 241, XXIV, 181, 182, XXVII, 257, 334, XXVIII, 195, 205, 207, 325, 337, 358, XXIX, 32, XXX, 109, 110, 126, 169; nut (piñon; *edulis*), XVIII, 75, 87, XIX, 296, 297; pitch (*rigida*), VIII, 245, XVI, 25, XVII, 43, 116, 124, 134, 135, XIX, 296, XXII, 62, 98, XXIV, 182, XXVII, 367; resinous, 257; Rocky Mountain white (*flexilis*), XVI, 16, 25, XXIII, 81; scrub, X, 201, XVII, 149,

PINES (continued)—

- XXVIII, 190, 192, 196, XXX, 127; Southern (*palustris*), III, 301; two-leaved, 28, 47, 49, 96, 215; Virginian, XXII, 102; Weymouth, X, 206, XIII, 40, XIV, 53, 56, 57, XXII, 48, 93, 106, XXIV, 173; white (*strobis*), III, 47, 48, 99, IX, 256, XVII, 116, XIX, 61, XXII, 241, XXIV, 181, XXVI, 104, XXVII, 257, XXVIII, 211, XXX, 296; (*inops*), III, 90, XIII, 38; (*mitis*), III, 267; (*parryana*), XIX, 297.
- Pinkerton, John, geographer, VI, 359; *Voyages and Travels*, XIII, 261.
- Pinks, observed by Flagg, XXVI, 286; Woods, X, 302.
- Pinole, described by Gregg, XX, 66; in trade, 137.
- Pioch-Kiaiu (distant bear), portrait, XXIII, 143.
- Pion, —, in Spokane post, VII, 212.
- Piper, —, tavern-keeper, X, 206.
- Piper, Charles V., cited, XXVIII, 373.
- Pipes, article of trade, XXI, 281; as present, VI, 58, XVIII, 60, XXIII, 16, 22, XXX, 231; French enjoy, XXVII, 43, 73, 84; clay, XXII, 114, 173; meerschau, 18; tobacco, 173; wooden, 178; view, 174. See also Indians: Pipes and Smoking.
- Pipestone (red), quarries of, XXII, 279.
- Pipestone (Minn.), as a boundary, XXVIII, 147; quarries, II, 83, V, 107, XXII, 322.
- Pipestone County (Minn.), quarries, XV, 122.
- Piqua Indians, Shawnee tribe, XXII, 200.
- Piqua (Ohio), Twigtwees near, I, 53.
- Piro, pueblo of, language, XX, 55.
- Piron, —, circumnavigates world, XXII, 164.
- Piros Indians, stock, XIX, 266; pueblo, 301, 302.
- Pirtle, Capt. Alfred, *Tippecanoe*, VIII, 286.
- Piscataway (Md.), Conoys in, I, 90.
- Pisquetumen, Delaware chief, I, 190-193; relations with Post, 234-264; attitude toward English, 213, 217, 221-225.
- Pisquow (Piscow) Indians, habitat, VII, 146, 147, 275, 276.
- Pistols. See Weapons.
- Pitatapiu, Stone Indian, portrait, XXIII, 18, 19, XXV, 65.
- Pitch (bituminous), described, XVIII, 278; uses, V, 299, XXI, 31, XXX, 49.
- Pitcher, Dr. Zina, aids Maximilian, XXII, 186, XXIV, 146, 189; sketch, 147.
- Pitica (Mex.), location, XVIII, 350.
- Pitman, Anna Maria. See Lee, Anna Maria.
- Pitt, William, Earl of Chatham, English statesman, XII, 35; fort named for, XIX, 28, XXI, 37, XXVII, 92; cited, X, 160.
- Pittis, Edward, emigrant, XI, 30, 37.
- Pittis, J., emigrant, XI, 37.
- Pittis family, emigrants, X, 180, XI, 37, 101, 167, 216.
- Pittman, Philip, *Settlements on Mississippi*, I, 173, III, 70, 71, XXVI, 101, XXVII, 77, 82, 93.
- Pittsburg (Ill.), sketch, XXVI, 182.

Pittsburg (Pa.), III, 375, IV, 73, 95, 102, IX, 114, X, 215, XXX, 18; as a boundary, IX, 283, XIX, 129, XXII, 151, 204, XXVI, 63; location, III, 32, 342, IV, 241, V, 273, VIII, 246-248, XIV, 88, XIX, 30-32, XXVII, 74, 91; distance from Beaver Creek, IX, 100; from Cincinnati, 150, X, 42, XXI, 40; Economy, X, 54; Greensburg, XII, 196; Limestone, IX, 113; Louisville, X, 242; Muskingum River, VIII, 263; St. Louis, XXII, 215; Wheeling, V, 299, IX, 105; quality of soil, III, 30; scenery, 169, VIII, 247, 254, IX, 101, 102, XIV, 62, 89; width of Ohio River at, III, 164; islands near, IV, 93; creek, XXI, 40; climate, III, 157; argil in, XVII, 226; coal-beds, V, 275, IX, 83, X, 40, 77, XIII, 52, XIV, 57, XVII, 254; minerals, IX, 310; sandstone, XIV, 73; birds, 45, XV, 325, 327; toads, 325; originally Fort Duquesne, IV, 97; plan, 254; canal, XXII, 131, 132; road, I, 125, III, 153, 371, IV, 51, 75, 108, 169, 238, IX, 9, 65, 81, XII, 178, XIII, 38, 44, XVII, 253, XXII, 135; stages, III, 140, IX, 74; port, IV, 169; ship-building, III, 160, 177, VIII, 250, 256, 269, IX, 86, 154, XIV, 76, XXII, 200, 205, 228, XXIV, 131, 132, XXVI, 57, 61; boats at, III, 344, 351, IV, 285, 297, V, 211, IX, 154, 165, XXI, 121, XXIV, 131; emigrant station, III, 195, V, 296, 300, IX, 72, 86, XIX, 33, 41; social conditions, IV, 79, 83, VIII, 252, 253; arsenal, XIV, 43, XV, 189; bank, IV, 78; boatmen, III, 240; bridge, VIII, 255; "Christians," 250, 251; college, X, 219; emigrants, IX, 98, X, 196, XI, 243, XXIV, 159; English, I, 288; Harmonists, V, 314; house of correction, XXV, 6; Indians, I, 105, 115, 211, IV, 60; lawyers, 76, 84; mechanics and manufacturers, IX, 84, 85; merchants, 87; newspapers, IV, 244; physicians, 87; promenade, 249, 250; publishers, III, 334; scientists, XIV, 10; streets, IX, 87; swindlers, 94; importance of, III, 157, IX, 86; compared with Wheeling, III, 33, X, 221; commercial outlook, VIII, 249; trade centre, III, 145, 157-159, 172, 191, 194-196, 251, IV, 90, 246, 283, VIII, 269, 276, 304, 339, IX, 65, X, 39, XI, 287, XIII, 41, 51, 106, XXII, 216; cheese market, IV, 91; cotton, III, 252, IV, 97; manufactures, III, 343, 344, X, 41, 72, 73, XIX, 40; chemical, IX, 135; cotton and wool, V, 297; glassworks, X, 37, XXVI, 97; wagon, XIX, 190; prices, VIII, 248, 249, IX, 97, 105; poor workmanship, 94; population, III, 156, 342, IV, 245, X, 217, XXI, 37, XXII, 138; character of population, IX, 87-89; Brackenridge in, III, 28, VI, 9, 12; Buttrick, VIII, 53; Croghan, I, 12, 116, 125; Cuming, IV, 7-9, 64, 76, 100, 111, 174, 196, 242; Evans, VIII, 256; Faux, XI, 13, XII, 20; Flint, IX, 64, 68, 175, 251; Flower, X, 91, 95; Harris, III, 342, 371; Hulme, X, 12, 35, 38, 41, 76, 81; Long, XIV, 39, 44, 64, 65, XV, 202, XVII, 93, 95; Maximilian, XXII, 13, 127, 129, 136, 138, 140; A. Michaux, III, 17, 28; F. A. Michaux, 133, 140, 153-156, 166-168; Nuttall, XIII, 13, 44, 46, 65; Ogden, XIX, 30; Post, I, 281, 285; Welby, XI, 15, 16; Woods, X, 216, 217; Wyeth, XXI, 37; other travellers and early settlers, I, 123, 287, III, 18, 31, 162, 167, 178, IV, 41, 78, 93, 94, 96, 104, 107, 111, 166, 179, 239-241, VI, 57, VIII, 79, XI, 172, XIII, 283, XIV, 12, XXII, 139, XXVI, 358; described, IV, 28, 76-87, 242-255, VIII, 248, 249, IX, 82-89, X, 36, 37, 217, 218, XII, 19, 197, 198, XIII, 44-47, XIV, 56, XIX, 11, 25-29, XXI, 37, 38, XXII, 138-143, XXVI, 254; sketch, III, 156-159, 342-344; *Commonwealth*, 157; *Gazette*, 157, IV, 244; *Navigator*, IX, 89, 106, 153, 158, 284, 285, X, 231, 245, 251, XIII, 80-82, 86, 89, 91, 92, XIV, 66, 84.

Pittsfield (Mass.), limestone in, XVII, 248; as a boundary, 250.

Pittstown (N. Y.), Evans in, VIII, 116.

Pizarro, Francisco, explorer, VI, 30, XXVI, 230.

Pizarro, Don José, Spanish minister, VIII, 354.

Placer (N. Mex.), fossils near, XIX, 312.

Plainfield (N. J.), Drake in, IX, 121; Evans, VIII, 125.

Plains. See Prairies.

Plaster-stone, amorphous, described, XVI, 138; in sandstone, XVII, 203.

Plant, —, farmer, XII, 57.

- Plantains, habitat, XV, 226; luxuriant, XXII, 65; article of trade, VII, 59; observed, X, 304, XII, 125, XXII, 50; *plantago attenuata*, XV, 226; *elongata*, V, 317; *eriphora*, XV, 226; *gnaphaloides*, III, 92, 218, XIII, 170; *lagopus*, V, 317, XV, 200, 263; *lanceolata*, 226.
- Planters, isolated settlements, XXII, 18; in Carolina, XI, 105; Tennessee, VIII, 76; Kentucky, XII, 12; Louisiana, XIII, 313; size of plantations, XIX, 42; wealth, VIII, 326, XIII, 307, 309; mills, V, 313; slaves, VIII, 321, XII, 12, XIX, 32. See also Farmers, and Frontiersmen.
- Plaquemine (La.), location, XIII, 312; "Waterwitch" in, XXII, 158.
- Plaster, where found, XVI, 94, 143, XVII, 240; abundant, 240; value, 214, 215; loam used as, X, 276; in building, XXIV, 137.
- Plaster of Paris, where found, XVII, 56; abundant, XX, 242; as a fertilizer, XI, 116, 139-141, 145, 148, 153, 155, 156, 176, XII, 57, 94; prices, XI, 150.
- Platanus* (plane-tree), III, 75, XXII, 93; habitat, XIV, 68, 213, XXIV, 105; size, XIII, 297, XIV, 68, 69, XXII, 80, 145, 165, 166, 188, 189, 238, XXIV, 142; abundant, XXII, 93, 152; compared with European, 189; as shade trees, 48, 130; observed by Maximilian, 55, 61, 90, 93, 190-192, 195, 201, 207, 212, XXIV, 152, 178; Nuttall, XIII, 57, 100; *occidentalis* (sycamore, button-wood), III, 29, 59, 62, 66, 77, 84, 175, 176, 229, XIII, 69, XIV, 68, 69, 128; *orientalis*, 68.
- "Plato," ocean vessel, XI, 38.
- Platte County (Mo.), river in, XIV, 175; emigration, XXVII, 191.
- Platte County (Nebr.), streams in, XIV, 276, XV, 141, 201.
- Platter, Jacob, tavern-keeper, IV, 205.
- Platteville (Colo.), site, XXVIII, 173.
- Plattsburg, battle of, VIII, 217.
- Plattsmouth (Iowa), Sarpy in, XXIX, 372.
- Platycrinites*, XIV, 171.
- Playfair, John, Scotch scientist, IX, 182.
- Playing cards, article of trade, XXIX, 60.
- Playwrights, character of, XII, 320.
- Plessis, —, Astorian, VII, 254.
- Pleyel, —, musical composer, IV, 81.
- Plomondeau, Simon, founds settlement, XXVII, 386.
- Plovers, habitat, XXVII, 131, XXIX, 51; numerous, XX, 282, XXII, 281, XXIV, 78; eaten, XXI, 127; golden (*charadrius pluvialis*), XV, 322, XXI, 126; kildeer (*vociferus*), XVI, 146.
- Plows, primitive character of, XIX, 288; how made, 288, 334, XXIX, 381; prices, XI, 241, XXX, 219, 259; as equipment, XXIX, 183, 186; working roads, XII, 203; in Indian trade, XVI, 277; Cherokee own, XXVIII, 127, 131, 136, 138, 146; German compared with American, XXII, 185; Spanish, XVIII, 145; moulds, XXX, 259; described, IX, 123, X, 203. See also Agriculture.
- Plumbago, on Columbia River, VI, 318.
- Plume Blanche. See White Plume.
- Plummer, Col. —, in Pennsylvania, IV, 241.
- Plums, III, 299, V, 81, VI, 147, XVI, 257; size, 231; quality, X, 308, XVI, 266; cultivated, XXII, 130; abundant, XI, 95, XV, 203, XVI, 135, 151, 268, 282, XIX, 61, XX, 258, XXII, 258, XXVII, 45, XXVIII, 155; scarce, XXII, 183; article of trade, X, 192, XII, 259; bears eat, XVI, 146, XX, 275; wolves, XIV, 254, XVI, 135; as food, XIII, 326; observed, X, 203, 306, XI, 133,

- XVI, 126, 228, XVIII, 336, XIX, 233, XX, 118, XXII, 238; grafted with prunes, X, 315; Chick-asaw (*prunus angustifolia*), XIII, 113, 137, 141, 148, 230, 323, XXVII, 75; dwarf (*púmila*), V, 193, VI, 117; grey (*hiemalis*), XIII, 323; Osage, XVI, 123; wild (*americana*), IV, 251, XXIV, 91, XXVI, 162, 183, XXVII, 69, XXVIII, 205; white, XI, 88.
- Plymouth (Conn.), Sylvanus Fancher in, XV, 202.
- Plymouth (Mass.), colonists, XXVI, 143, XXIX, 21; Indians, XXVII, 117.
- Poa*, III, 68; *anua*, XIV, 61; *brevifolia*, 61; *compressa*, V, 294, X, 293, 316, 353, XIV, 66, XXVI, 302; *quinquefida*, XV, 277; *reptans*, XIII, 103; *stricta*, 103.
- Poage, Col. James, founds Ripley (Ohio), X, 233.
- Pocahontas, sketch, XI, 157.
- Pocahontas (Ark.), site, XVII, 37.
- Pockqueesegau, medicinal herb, II, 85.
- Podalyria alba*, observed by Baldwin, XIV, 125.
- Poeppig. See Pöppig.
- Poindexter, George, Natchez planter, IV, 324, 325, 347.
- Poinsett, Joel R., *Notes on Mexico*, XIX, 348.
- Point, Father Nicolas, missionary to Oregon, XXVII, 317, XXIX, 142, 405; with De Smet, XXVII, 192, 392, XXIX, 307; gathers flowers, XXVII, 254; in advance party, 277; hunter, 348, 350; sufferings, 348; illness, XXIX, 404; at Fort Lewis, 362, 363; St. Mary's mission, XXVII, 309, 380; Sacred Heart, 365, XXIX, 173, 304; influence over Indians, XXVII, 348; instructs, XXIX, 314, 315; baptizes, XXVII, 382, XXIX, 407; with Blackfeet, XXVII, 381, XXVIII, 17, XXIX, 365, 415; Cœur d'Alène, XXVII, 365, XXIX, 300; Flathead, 133; Kalispel, XXVII, 344; Kansa, 198, 200; drawings, 252, XXIX, 112; journal, XXVII, 349-355, XXIX, 398-407; letter, 309-321; sketch, XXVII, 192, 193.
- Point Pleasant (Ark.), site, IV, 308, XVII, 23, 24; Cherokee council in, 19; Evans, VIII, 316; Long, XVII, 23, 42; Rogers, 20.
- Point Pleasant (Ill.), railroad in, XXVI, 297.
- Point Pleasant (Ky.), situation, III, 181, 182.
- Point Pleasant (Mo.), Nuttall in, XIII, 78, 79.
- Point Pleasant (W. Va.), IV, 150, 155; location, IX, 112, X, 226, XIII, 57; Indian mounds, 57, military station, IV, 143; battle of, III, 49, IV, 142, 143, 220, V, 279, X, 226, XIII, 79, XIV, 63, 64, XV, 174, XX, 105; Cumming in, IV, 146, 147; Long, XIV, 63; Maximilian, XXII, 152; 154, 155; sketch, IV, 142.
- POINTS—
- Adams (Clatsop), site, VII, 78, XXVII, 388; as a boundary, XXIX, 80, XXX, 193, 198, 199; chalk, VI, 318; travellers at, 233, VII, 78, XXI, 313; Indians, VI, 239.
- Baudet, boundary of Loyalist settlements, II, 218.
- Belle, geological formation, XIII, 228.
- Bellevue, favorable for agriculture, VII, 120; named, VI, 248; Astorians at, VII, 118, 119.
- Bird's, Bird on, IV, 279.
- "Breeze," home of Joseph Bonaparte, XXII, 66, 67.
- Cape Horn, origin of name, XXI, 346.
- Cathlamet (Oathlamuck), location, VII, 116; Palmer at, XXX, 203, 204.

POINTS (continued)—

- Cedar (Lake Erie), I, 13, 112, 301, 303, 324.
 Chevalure. See Crown Point.
 Chicot, location, XIII, 296; as a boundary, 132; settled, 296; banditti, 296; Nuttall at, 297.
 Chinook, bay formed by, XXX, 200; Astorians at, VII, 87; McDougall and Stuart, VI, 240.
 Chippewa, location, II, 177-179.
 Clair, Long at, II, 54.
 Classet, named, XXIX, 74.
 Coupée, early settlement, IV, 359; school, XIII, 309; plantations, 307; sketch, VIII, 328.
 Dardanelle, XIII, 174.
 Eagle's Nest, Nuttall on, XIII, 143, 241, 288.
 Ellice, location, XXX, 200.
 Foy's, Foy at, IV, 292.
 George, as a boundary, VII, 88; trading-post at, VI, 241.
 Gloucester, on Delaware River, XII, 332.
 Granville, as a boundary, XXIX, 98.
 Grindstone. See Cap-au-gris (Ill.).
 Hancock, named by Captain Gray, VI, 233.
 Houmas, Hampton on, XIII, 312.
 Hunt's Mill, described by Palmer, XXX, 204, 205.
 Illinois, town at, XIX, 44.
 Judas, on Mississippi River, IV, 360.
 L'Abbadie (Labidee), origin of name, VI, 36; plants on, V, 318; Bradbury, 42; Lisa, VI, 36;
 Long, XIV, 128; sketch, V, 42, VI, 27.
 Lapensée, VI, 363.
 Levi, location, IX, 330.
 Long, Allen at, II, 53.
 Long (Grand Detour), on Lake Winnipeg, VI, 379.
 Oak (de Bois), location, VII, 148; trading-post, VI, 287; sturgeon fishing, 314; Astorians, VII, 117, 148; Franchère, VI, 261, 281, 316; Smith, 287; Stuart, 261, 262; "May Dacre," XXI, 318; described, XXX, 206.
 Oathlamuck. See Cathlamet, above.
 Partridge (Perdix), site, XXIX, 148.
 Pecan, squatters on, XIII, 213.
 Pine, sketch, VI, 396.
 Plum, wrecked boats on, XIII, 87.
 Remove (Remu), as a boundary, XIII, 177, 306; origin of name, 170.
 Reyes, harbor, XVIII, 283.
 Robinson's, on Ohio River, IV, 92, 252, 253.
 Of Rocks (Md.), railroad in, XXI, 35.

Of Rocks (N. Mex.), site, XXVII, 250; caravan camping site, XX, 93; springs, XIX, 249; Gregg at, 249; Warfield, XX, 23.

Roney's (W. Va.), Cumming on, IV, 236.

Sandy Hook, "Venus" on, XII, 162.

Sheco (Miss.), described by Evans, VIII, 313.

Smith, now Astoria, VI, 241.

Stony, location, II, 207; Rogers at, I, 113.

Tongue, named, VI, 242, XXX, 202; sandbar on, XXIX, 68; portage, VI, 266; Astorians, VII, 116; British, VI, 253, 294; North West Company, 299; described, 312, 313, XXX, 202, 203.

Trents, on Mississippi, IV, 308.

Van Buren, harbor near, XXIV, 161.

Vancouver, location, VI, 248, VII, 119; origin of name, 119; Broughton on, VI, 186; Franchère, 248; North West Company, 312.

Wakarusa. See Narrows: Wakarusa.

Warrior's, "May Dacre" on, XXI, 318; Townsend, 342; sketch, 300.

William, named, VI, 242.

Willow, described by Flagg, XXVI, 80.

Woody, "Tonquin" on, VII, 165.

Pointed-Heart Indians, population (1841), XXVII, 166; converts, 362-365, 381.

Poisons, colico-tree, III, 148; poison-vines (*rhus radicans*), XV, 44, XXII, 189, 263.

Pojuaque Pueblo, language, XX, 56.

Pokeweed (*phytolacca decandria*), habitat, XIV, 156; size, XVI, 186; abundant, 242, XXII, 66, 82, 102, 129; as tobacco, XXI, 146; observed, XVI, 125, 156; described, XXII, 128, 129.

Polecats (*mephitis americana*), habitat, XVII, 146, XIX, 327, XXVIII, 221; abundant, X, 249, XXII, 168; odor, XX, 106, XXII, 82; as food, XX, 333; in Indian folk lore, XXIII, 381; described, X, 288, XXVII, 263; skins, as ornament, XXII, 224, 274; caps of, XXIV, 49; tails, as ornament, XX, 345.

Poles, with Gregg, XX, 104; Maximilian, XXIV, 84, 85.

Politics, observed by travellers, III, 15, 19, IV, 11, 12, IX, 10, 12, XI, 9; free institutions in United States, 10, 90, 190, 191, 224, XII, 26, 28, 55, 106, 116; defects of, IX, 224, XII, 123, 149; debt to English, 23; stability of government, IX, 210-212, 214, 215; domestic policy, 212, 213; force of public opinion, VIII, 128, 129, IX, 10, 49, XXII, 181, XXIV, 141, XXVI, 313; political meetings, IX, 277, XXI, 14, 65, XXVI, 13; newspaper influence, III, 157, IV, 196, IX, 87; elections, V, 290, IX, 163, 198, 277, 292, X, 321-324, XI, 59, XXVI, 312-314, XXX, 214, 301; suffrage, V, 290, IX, 174, 203, 293, X, 322, XI, 180, XII, 88, 319, XIX, 78, XXX, 306; caucuses, XI, 55, 58; balloting, IX, 88, 256; parties, III, 31, IV, 71, 146, VIII, 174, 282, X, 32, 33; Abolitionists, IX, 37, XII, 311, XXIV, 192; Democrats, III, 28, IV, 160, 323, IX, 62, X, 80, 322, XI, 47, 55, 58, XII, 306, XIV, 159, XIX, 165, 181, XXVI, 10, 310; Federalists, III, 94, 178, 293, 311, 363, IV, 96, 217, 323, IX, 36, 62, XI, 55, 57, 58, 63; Loyalists (Tories), III, 55, IV, 326, VIII, 122, 166, XI, 76, 130, XII, 31, 70, 71, XIII, 169, 299, XXI, 314; Republicans, III, 13, 87, 94, IX, 222, X, 96-98, 317, XI, 48, 63, 83, 118, XII, 60, 132, 147, XIII, 362; Socialists, X, 155; Whigs, III, 55, 56, XXVI, 29, 30, 199; sectional differences, VI, 162, XI, 14, XII, 311, 312; states-rights, IX, 56, 191, 209, 210, XII, 23; Missouri compromise, 23; nullification, XI, 98, XIX, 348; Free-Soil,

POLITICS (continued)—

XXX, 37; campaign of 1830, XXVI, 272; of 1844, XXX, 10, 29; president, XI, 72, XX, 110, XXII, 139, XXIX, 33; election, IX, 208, 209; powers, 172, 212, XI, 134, XII, 25, XVIII, 237, XIX, 78; governors, how elected, V, 290; senate, IX, 172, 208, 212; how elected, V, 290, X, 322, 323, XII, 26; length of term, V, 290; character, XI, 99, 201; in Indiana, XII, 13; Ohio, 222; fees, X, 266, 283; representatives, V, 290, IX, 192, 208, 212, 235, XI, 99, XII, 26, 222, 227, 328, 329; election of, X, 322, 323; state legislatures, IX, 12, 215, XII, 14, XXX, 301-303; financial policy, XII, 40, 41, 117, 118, 132; tariff, XI, 98, XII, 116-118; internal improvements, IV, 99, 218, IX, 271, XXVI, 57, 307, 314, 318; pensions, XXX, 230; popular education, IV, 99, 100; pardons, XII, 85; right of petition, XXX, 301; corruption, VIII, 119, IX, 12, 215-217, 220-222, XI, 105, 106, 123, 125, XXVI, 272, XXVII, 78, 79; Burr's conspiracy, IV, 74, 181; military influence, VIII, 225, XII, 304; changes, VIII, 136, 237; aristocratic tendencies, XI, 159; limitations, XII, 42; foreign policy, III, 12, V, 269, IX, 213, XII, 47, XXIX, 76, 115; principles of expatriation, VIII, 120-122; English politics, IX, 144, X, 9, 11, 12, 27-29, 118, XI, 55, XII, 107, 132; compared with American, 334; local politics — Illinois, XXVI, 354, 355, XXVII, 53; Kentucky, III, 38, IV, 198, 199, VIII, 282; Louisiana, XXVII, 56; Michigan, VIII, 218; Mississippi, IV, 324; Ohio, V, 290, XIX, 78; Oregon, XXIX, 23, 24, XXX, 111, 214, 303-305; Pennsylvania, IV, 85, 99, 102; South Carolina, XIX, 348; Virginia, XI, 199; West Virginia, IV, 109. See also the several parties and statesmen.

Polk, President James K., message, XXX, 29; Oregon dispute, XXIX, 209.

Polk County (Ark.), boundary line, XVII, 53; rivers in, 44, 51.

Polk County (Oregon), location, XXX, 215; as a boundary, 215; drainage, 172; Ford in, 174.

Pollock, David, murdered, IV, 69, 70.

Polychrus marmorata, scales, XVI, 284.

Polygala, incarnata, XIV, 124; *verticillata*, 74.

Polygonum, habitat, XV, 177; *amphibium*, 30; *aviculare*, III, 30, 68; *hydropiper*, 30; *necessaria*, 53; *scandens*, 30.

Polymnia, canadensis, III, 34; *uvudalia*, XXIX, 424.

Polyodon, XIII, 326; habitat, XIV, 220.

Polyprenum procumbens, observed by Nuttall, XIII, 103.

Pomegranates, habitat, IV, 326, 363; abundant, XXVII, 40; cultivated, XII, 73, XIII, 301; Welby observes, XII, 177; described, X, 307.

Pomeroy, Maj. —, in Shawneetown (Ill.), X, 311.

Pomme blanche. See *Psoralea esculenta*.

Pompey (N. Y.), Evans in, VIII, 125, 126.

Ponca (Punca) Indians, stock, XIV, 233, XVII, 156, XX, 297, XXIV, 223, 280; bands, XV, 118; habitat, VI, 101, XV, 199, XXII, 290, 294, 295, XXIV, 96, 99, XXVIII, 121; boundary, XXII, 305; migrations, XXVIII, 147; population, V, 96, XVII, 152, XX, 341, XXVIII, 121; characteristics, VI, 93, XV, 107, 108, XVII, 152, XXII, 293, 306, XXIV, 97; language, XIII, 119, XV, 136, XXII, 252; dialect, XXIV, 208; vocabulary, 294; villages, V, 318, 320, VI, 156, XXIV, 99; manners and customs, V, 176, XV, 89, XXIV, 98; trade, V, 134; intertribal relations, 109, XIII, 117, XIV, 232, 233, XV, 25, 39, 160, 161, XXII, 29; relations with whites, V, 95, 96, 98, 188, VI, 84, 86, 89, 90, 93, 149, XXII, 235; portraits, 287, XXV, 11, 40; club, XXII, 269; described, 283-286, 291.

Ponce de Leon, Don Diego Vargas Tapata Lujan. See Vargas, Don Diego.

- Pond, —, in fur trade, II, 15.
- Pondera Indians, chiefs, XXVII, 166; conversion, 170, 176.
- Pond-lilies, *cyamus luteus*, XIII, 269; *nymphæa*, XXII, 194.
- Pontchartrain, Count, lake named for, VIII, 61.
- Pontederia cordata*, observed by Nuttall, XIII, 224.
- Pontiac, Ottawa chief, I, 13, 105, 106, 112, 308, 311, 317, 327; relations with Croghan, 126, 146-148, 154, 157, 158, 170; treaty with English, 157, 158; hostility toward English, 307; influence among Western Indians, 295, 296, 305; mission to, 302; on Maumee River, 302, 309; captures Morris, 304, 305; letter to, 324; conspiracy of, 27, 80, 101, 118, 123, 134, 153, 154, 305, 312, II, 178, XXII, 96; assassinated, XXVI, 139, 141.
- Poole, William F., *Pocahontas Story*, XI, 157.
- Poor, H. V., *Railroads and Canals of United States*, XXII, 112.
- Popauce, Indian captain, I, 220.
- Popé (Pocpec), leader of Indian insurrection, XIX, 263.
- Pope, John, governor of Arkansas, XIX, 165.
- Pope, Nathaniel, exertions for Illinois, XIX, 53.
- Pope, William, with Pattie, XVIII, 263.
- Pope, Gov. William F., persuaded by Sarrasin, XIII, 131.
- Pope County (Ark.), creeks in, XVII, 18; bayous, 23; Long in, XIV, 17, XVII, 25.
- Pope County (Ill.), seat, XVII, 92, XXII, 202, XXVI, 77.
- Poplar Lodge, fur trade post, II, 87.
- Poplars, III, 270, XII, 211, XXIV, 86; habitat, III, 176, 297, IV, 302, 310, 338, 351, VI, 52, 192, 243, 247, 364, VII, 152, X, 306, XIII, 298, XIV, 125, XVI, 177, 178, XIX, 71, 77, XXII, 206, 239, 244, 245, XXIX, 246; abundant, XVII, 71, XXII, 256, 276, 278, 280, 292, 296, 298, 313-315, 338, 339, XXIV, 22, 152, 187, XXIX, 87; scarce, XXI, 266; size, III, 176, 181, XXII, 212, XXIII, 213; as fuel, 137, 245, XXIV, 13; timber, IX, 256, XXII, 376; used for boats, VI, 361, XXIV, 100; shade trees, XXII, 61, 69, 130; value, XVII, 116; in Indian folk lore, XXIII, 315; enemies, XXII, 268, 294, XXIV, 109; observed by De Smet, XXIX, 212; James, XVI, 15; Long, 80, 142; Maximilian, XXII, 204, 205, 311, 337, 371-373, 385, XXIII, 28, 32, 47, 53, 55, 57-60, 82, 93, 132, 137, 138, 143, 170, 173, 180-182, 184, 185, 192, 193, 209-211, 213, 215, 217, 234, 237, XXIV, 127, 152, 165, 166, 169, 174, 179; Nuttall, XIII, 57, 289; Townsend, XXI, 133, 197; Woods, X, 227; uses of bark, XXI, 148, XXIII, 94, 205, 235, 245, 272, XXIV, 46; balsam (*populus balsamifera*), XXI, 253; Canadian (*angulata*, or *canadensis*), III, 75, XIII, 64, XXII, 153; *cornus florida*, III, 127; Lombardy (Italian), 130, IV, 40, 108, 249, 276, IX, 28, 30, XII, 163, 262, XVI, 177, XXII, 42, 48, XXIV, 174; white (*monilifera*), XIII, 104, XVII, 115; yellow (*liriodendron tulipifera*), III, 229, 230, IV, 155, IX, 121, XIII, 90, XVII, 115.
- Poppies, III, 239, V, 315; *argemone alba*, XV, 232; *mexicana*, 232.
- Pöppig, Edward, sketch, XXII, 171, 172; quoted, XXIII, 77, 78.
- Population, in United States (1820), X, 357; excess of males, IX, 251, 252; increase of, V, 307, VIII, 237, 269, IX, 205, XI, 131; character of, V, 13, 291, IX, 68, 201, 289, XI, 11, 15, 58, XIII, 65 (see also Frontiersmen); compared with England, V, 287, XII, 104, 105; results of growth, IX, 180, 235, XII, 100, 110, XVII, 115, 129; retarded, X, 45, XIV, 138; decreased, XI, 14; by slavery, XII, 109; free and slave compared, 205; westward extension, XVII, 148; westward

POPULATION (continued)—

increase, III, 161, IX, 184, XI, 143, XIII, 162, XIX, 80-82, 123, XXVI, 303; scattered, XIII, 37, 161; possibilities for, 142, XXX, 287. See also the several states, towns, and tribes.

Porcupines (*hystrix dorsata*), habitat, XVII, 146; hunted, XXIX, 257; as food, XXIII, 49, XXIV, 95, XXIX, 210, 214, 220, 222, 259; described, 214, 223, 224; quills, dyed, XXIII, 104; Indians value, 49; Indian ornaments, VI, 120, 121, 131, VII, 137, 282, XVIII, 60, 166, XX, 328, 346, XXI, 196, XXII, 307, 321, 322, 325, 352, 353, 360, 388, 389, XXIII, 17, 21, 75, 101-103, 220, 260, 263, 264, 299, 350, 354, 357, 369, XXIV, 89, 163, XXVIII, 171, XXIX, 364, 391, 392.

Pork. See Hogs.

Porphyry, trappea, XV, 300; on Missouri River, V, 93; observed by De Smet, XXIX, 211; uses, XVIII, 379, XXVI, 147.

Porpoises, as food, XI, 46, XII, 160; Buttrick observes, VIII, 22; Faux, XI, 39; Franchère, VI, 209; Maximilian, XXII, 38; Ross, VII, 46; Welby, XII, 340; Woods, X, 183.

Port Arthur, location, VI, 386.

Port Gamble (Wash.), Indians in, XXVII, 387.

Port Gibson (Miss.), described, IV, 312, 348-350; Cuming in, 348; Cummins, 350; Nuttall, XIII, 300.

Port Hudson (La.), location, XIII, 308.

Port Townsend (Wash.), founded, XXX, 223.

Port Washington (Ohio), Maximilian in, XXIV, 154.

Port William (Ky.), location, IV, 257, 258, IX, 158; population, IV, 258; Woods in, X, 240.

Portage (Wis.), location, VII, 178.

Portage Company, leases Niagara portage, VIII, 178.

Portage County (Ohio), village in, XXIV, 158.

Portage des Sioux (Mo.), Big Elk in, V, 222; Flagg, XXVI, 12, 287; Quickenborne, XXVII, 263; population (1838), XXVI, 290; described, XXVII, 120, 289-293; sketch, 120, 121.

PORTAGES—

Allegheny River-Lake Erie, XIV, 56.

Beaver River, VI, 367.

Columbia River, VI, 274, 304, 337, 345, 352, VII, 121, 122, 126-128, 130, 144, 146, 187, 195, 255, XXI, 345, 346, 360, 361, 367, XXVIII, 371, 372, XXIX, 36, 80, 282.

Crow Wing River, XXVIII, 152.

Cuyahoga-Tuscarawas, VIII, 200, 263, XXIV, 157.

Des Plaines River, VIII, 291.

Dog, sketch, VI, 385.

Falls of St. Louis, IX, 326.

Fox-Wisconsin, II, 187, VII, 178, XVII, 110, 177.

French River, VI, 397.

Grand, VI, 50; trade route, II, 139, VI, 384; English at, 386; Carver, II, 120; described, 51, VIII, 234.

Great Miami-Miami of the Lake, VIII, 207.

- Hudson-Champlain, VI, 191.
Hudson-Erie, IX, 311.
Kettle Falls, VI, 346.
Kootenai River, XXIX, 201, 202, 209.
Lewiston-Fort Schlosser, XXIV, 174.
McGillivray's, XXIX, 78.
Missouri River, XXVIII, 110.
Moose River, VI, 367.
Niagara River, VIII, 159, 178, IX, 320, XXIV, 165.
Oneida, XXIV, 184.
Ottawa River, VI, 397.
Rame, near Lake Superior, II, 143, 176.
Rat, II, 137, VI, 382.
Red Deer Lake, VI, 366.
Rocky Mountains, XXIX, 42.
St. Lawrence-Richelieu, VI, 190.
Saskatchewan-Churchill River, XVII, 239.
Snake River, V, 230.
Thompson-Quesnel Rivers, XXIX, 81.
Tongue Point, VI, 266.
Tuscarawa, VIII, 263.
Willamette Falls, XXIX, 15, 16.
Winnipeg River, VI, 377, 381, 382.
- Portata (Portalò), Gaspar de, discovers San Francisco Bay, XVIII, 283.
Porter, —, founds town, XXIV, 123.
Porter, Augustus, purchases Goat Island, VIII, 178, XXIV, 169; at Niagara, 165; sketch, VIII, 178.
Porter, David, on Pacific Ocean, VI, 299, 300; Marquesas Islands, 405; meets Hunt, VII, 250, 251; sketch, VI, 299, 300.
Porter, Peter, brother of Augustus, VIII, 178.
Porter (liquor), IV, 188, X, 53, 130, 190, XI, 103, 113, 118, XII, 158.
Porters, abundant, XXII, 56; Irish, XXVI, 43.
Porteur Indians. See Carrier.
Portier, Bishop Michael, in Mobile, XXIX, 233.
Portland (Ill.), sketch, XIV, 100.
Portland (Ky.), Faux in, XI, 199; sketch, XXII, 158.
Portland (Maine), steamer at, IX, 46.
Portland (Mo.), site, XXII, 241; founded, XXIV, 123.
Portland (Ohio). See Sandusky.
Portland (Oregon), site, XXI, 301, XXX, 223; named, 223; commercial port, 166; rapid growth,

PORTLAND (continued)—

VI, 401; population, IX, 310, 311, XXX, 166; public library, XXIX, 194; Abernethy in, XXX, 159; Hines, 18; Rector, 142; Risley, 51; Smith, 249; sketch, 166.

Porto Rico, Indians in, XXVI, 213.

Portraits, of the presidents, XII, 124, XXII, 139; Virgin Mary, XX, 40; in museums, IX, 58, XII, 67; prices, XI, 46; of Evans, VIII, 94; Michaux, III, 4; Morris, I, 4; of Indian chiefs, XXIX, 4, 333; Arapaho (Awappaho), XVI, 200; Arikara, XXV, 27; Assiniboin, 45, 65; Blackfeet, 78, 79; Cheyenne, XVI, 200; Cree, XXV, 22, 66; Dakota, XXII, 323, XXIV, 59, XXV, 41, 42, 45; Flatheads, XXIX, 4, 333; Grosventre, XXV, 20; Kaskaia, XVI, 200; Kutenai, XXV, 79; Mandan, XXIV, 37, XXV, 24, 46, 47, 50, 53, 56, 59; Minitaree, 26; Missouri, 40; Omaha, XXII, 269; Oto, XXV, 40; Ponca, XXII, 287, XXV, 40; Saux and Fox, 36; Shoshoni (Snake), 66; Teton, XXII, 323. See also Bodmer, and Catlin.

PORTS—

Discovery, location, VII, 112; Vancouver in, 112, XXIX, 90; population, 98.

Egmont, "Tonquin" at, VI, 203.

Guaymas, location, XVIII, 147.

Matansas, Evans in, VIII, 361.

Orchard, mission at, XXIX, 133; population, 99. See also the several towns.

Portsmouth (N. H.), ship-yards in, IX, 45; Evans, VIII, 11, 99.

Portsmouth (Ohio), altitude, XXIV, 151; location, IV, 215, XIX, 151; mound builders in, XXVI, 69; Cuming, IV, 160-162; Flint, IX, 109, 114, 116; Maximilian, XXIV, 145; Nuttall, XIII, 59; described, IV, 161, IX, 113, X, 40, 230, XXII, 153, XXIV, 146; *Gazetteer*, IX, 153; population, IV, 161, X, 40, 230; sketch, XII, 59.

Portsmouth (Va.), Ohio town named for, XIII, 59.

"Portsmouth," steamboat, XXII, 155.

Portuguese, with De Soto, XIII, 118; American explorations, XIX, 260, XXVI, 230; in New Orleans, VIII, 340, XIX, 126; with Pattie, XVIII, 305.

Portulaca, habitat, XV, 187; *pilosa*, XIII, 228, 229; *sativa*, XIV, 156; *villosa*, XIII, 271.

Posecopsahe. See Black Cat.

Posey, Gen. Thomas, town named for, XIX, 69.

Posey (Ind.), described by Ogden, XIX, 69.

Post, Christian Frederick, missionary, I, 22, 298; Indian deputy, 261, 262; misadventures, 190, 192; with Shingas, 80; in Wyoming, 239; Fort Machault, 102; on Ohio River, 85; influence over Indians, 243, 244; founds Bethlehem (Ohio), XXIV, 156; letter, I, 268; *Journals*, 12, 13, 23, 26, 52, 100, 177-291, III, 51, 133, 369, IV, 38, 46, 50, 60, VIII, 228, 246, IX, 64, 81, XIII, 36-39, 42, XVII, 19, XIX, 26, XXI, 37, XXII, 96, XXIV, 156; sketch, I, 13, 177-184.

"Post-Boy," mail steamer, XI, 197, XII, 280.

Postlethwaite, Samuel, in Natchez, XIII, 301-303.

Postmasters and Postoffices. See Mails.

Post Vincennes (Ind.), road, IV, 261.

Potámeos Indians, hostility to whites, XXI, 329-331.

Potamogeton (pond-weed), *fluitans* and *natans*, XV, 226.

Potash, nitrate of, IX, 282, XVIII, 340; prices, X, 75.

- Potatoes (Irish), VI, 37, XIV, 154; Indian name for, XXVI, 226; habitat, XIX, 295; cultivated, IV, 221, V, 157, 310, VI, 319, 379, 388, 395, VII, 97, X, 209, 304, 347, XI, 176, 289, XVII, 32, XXI, 147, 281, 298, XXII, 48, 73, 87, 145, XXIII, 241, XXIV, 107, 179, XXVII, 115, XXVIII, 142, 276, XXIX, 18, 40, 97, 98, 131, 185, 246, 249, 250, 307, 322, XXX, 87, 111, 286, 297; production, V, 315, XI, 176, XXVIII, 359, XXIX, 44, XXX, 286; quality, IX, 39, 81, 254, X, 203, 213, 247, 353, XIII, 69, XXX, 189; abundant, XII, 62, 63, XIV, 134, XXI, 126, XXVII, 366; as supplies, IX, 26, XII, 157, XXVIII, 374, XXIX, 169, XXX, 112, 114; as food, X, 263, XI, 153, XIV, 309, XXI, 51, 127, XXII, 114, XXIV, 89, XXVII, 154, XXIX, 66, 196, 325; sugar made from, 325; prices, III, 122, V, 288, IX, 139, X, 74, 304, XI, 119, 177, XII, 63, 64, XIII, 112, XXX, 219, 263; compared with Germany, XXII, 183; described by Bradbury, V, 41; Willard, XVIII, 334.
- Potatoes (sweet, *convolvulus batatas*), cultivated, V, 284, XVI, 190, XVII, 17, 32, XIX, 70; abundant, IX, 60; scarce, X, 304; article of trade, VII, 59.
- Potawatomi (Poes, Poux) Indians, stock, V, 49, XX, 297; habitat, I, 115, 152, 153, 324, V, 49, VIII, 232, 285, XIX, 72, XXII, 178; wandering bands, 177; boundary, XXVIII, 136; population, XX, 317, 341, XXVIII, 121, 134; characterized, II, 181, XXVII, 154, XXVIII, 133, 134; language, XXIX, 423; myths, XX, 293, 294, XXVII, 302, 371, XXIX, 373-380, 382; manners and customs, VI, 40, XX, 293, XXIII, 278, XXVII, 305, 306; intertribal relations, XVI, 274, XXVI, 140, XXVII, 153; relations with whites, I, 121, 156, 160, 324, II, 181, 183, 184, VI, 40; in War of 1812-15, XXVI, 280; land grant, XII, 213; treaty, XXVII, 153; trading-post, XXIX, 232, 372; missions, XX, 289, 305, XXVI, 15, XXVIII, 18, XXIX, 234.
- Potentilla*, new species, XIV, 107; *arguta*, V, 318; *anserina*, XV, 277; *sarmentosa*, XIV, 62.
- Potera, —, creek named for, XV, 274.
- Pothier, Toussaint, in Fort Tekamamamouen, VI, 386.
- Potogejecs, Potawatomi chief, relates legend, XXIX, 372-380.
- Potosi (Mo.), population, XVII, 126.
- Pottawattomie County (Iowa), streams in, XIV, 221, XXIV, 105.
- Pottawattomie County (Kans.), streams in, XIV, 186, XXI, 149; boundary, XIV, 185; town, XXIX, 234; Indian village, XXVII, 198; Say's party, XIV, 210.
- Potter, —, merchant, XII, 66.
- Potter, —, on Ohio River, IV, 108.
- Potter County (S. Dak.), creek in, XXII, 334.
- Potts, —, hunter, V, 45.
- Potts, —, in Indiana, XI, 235, 296.
- Potts, —, tavern-keeper, IV, 100.
- Pouches, leather, as cradle, XXIII, 21; powder-horn in, 103.
- Pouchot, —, French commander, I, 108.
- Poulson, Z., editor, XII, 310.
- Poultry, raised, IV, 49, 352, X, 45, 134, 263, XI, 153, XVI, 286, XIX, 59, XXVI, 210, XXIX, 369; abundant, VIII, 313, XIV, 134, XXX, 219; neglected, III, 247; as food, IX, 161, X, 93, 161, 301, 302, XXVI, 323, 324; supplies, IX, 233, 252, XI, 45, XXI, 305; quality, XII, 320; sold, VI, 211, 227, VII, 62, IX, 234, X, 133, XXIV, 117, 123; houses, X, 280; attacked by wild animals, 288, XI, 200, 204, XXII, 101. See also Chickens, and Prices.
- Poux Indians. See Potawatomi.

Powder, as equipment, VII, 161, VIII, 103, XIV, 316, XV, 147, 192, XVIII, 295, 296, XXI, 80, 83, XXII, 379, XXIII, 27, 92, 93, 150; article of trade, I, 117, 310, V, 130, 132, 152, 163, 210, VI, 257, VII, 220, XIV, 307, 310, XVI, 207, XVII, 154, XVIII, 68, XXI, 57, 64, 104, 306, 356, XXIII, 73, 167, 264, 292, XXVIII, 171, 253, XXIX, 60, 288, XXX, 31, 57, 74, 94; present to Indians, I, 43, 72, 105, 160, 161, 166, 195, 209, V, 115, 117, XIV, 239, XV, 148, XVIII, 55, 70, XXI, 58, 245, XXII, 286, 293, 351, XXIII, 156, 161, XXIV, 40, XXX, 42, 58, 59; stolen, V, 199, VI, 308, XXX, 119; casks, VII, 255, XXVIII, 45; flasks, XV, 351; horns, 192, XVII, 99, XXI, 144, XXIII, 103, XXVIII, 46; magazines, VI, 387, X, 237, XI, 45, XXII, 377, XXIII, 189, XXIX, 64. See also Ammunition.

Powell, Maj. J. W., visits Cañon of Colorado, XVIII, 137; Lodore Cañon, XXVIII, 225; neglects Yankton band, XXII, 326; Bureau of Ethnology *Report*, XXVII, 150; *Indian Linguistic Families*, I, 34, XX, 297, XXII, 305; *List of Officers*, XIV, 10; *Mythology of North American Indians*, XX, 286.

Powell, Rev. Theophilus, sketch, XXX, 150.

Powers, —, tavern-keeper, IV, 202, 211.

Powhatan (Wahunsonacock), Indian chief, XI, 157, XIII, 305.

Poydras, Julien, in Point Coupée, XIII, 307; endows school, 309.

Prairie Indians, sign language, XX, 325, 326; cannibalism of, 332, 333; tribal peculiarities, 326; cowardice, 319; government, 318, 319; lodges, 326, 327; domestic animals, 327, 335; food, 332-334; utensils, 334; dress, 327-330; tattooing, 324, 329; war customs, 319-323; weapons, 323, 324; occupations of squaws, 324, 327, 328, 331; of men, 324, 325, 331; medicine men, 334, 335; remedies, 334; smoking as ceremony, 319, 320; intertribal relations, 331; relation with hunters, 322; described, 318-335.

Prairie du Chien (Wis.), location, II, 190, VII, 178; as a boundary, XXVIII, 152; settlement, II, 190; fur trade, 185, 188, 189; in Revolution, 185-191; traders in, V, 157; trade with St. Louis, XXII, 216; treaty, 279; Aird in, V, 87; Americans, IX, 188; Astorians, VII, 178; Galtier, XXIX, 234; Hoffman, XIX, 161; Long, II, 190.

Prairie clover. See *Petalostemon*.

Prairie (mountain) cocks, habitat, XXIII, 50, 52.

Prairie-dog Indians, badge, XXIII, 162.

Prairie-dogs. See Marmots.

Prairie epinette, De Smet describes, XXVII, 255.

Prairie-hens, habitat, XIV, 164, XXII, 168, XXIII, 208, 234, XXIV, 21, 85, XXVI, 183, XXVII, 184; numerous, XVI, 239, XXIII, 184, 186, 193, 213, 214, XXVI, 163; food, XXIII, 199, XXIV, 85; note described, XXIII, 210; hunted, XXII, 366, XXIV, 36; Bell observes, XVI, 231; Maximilian, XXII, 283, XXIV, 57; described, X, 291; infest cornfields, 340; *tetrao cupido*, XIII, 175; *phasianellus*, XXII, 299, 300; *umbellus*, V, 81, 82.

Prairie de Inde (Ark.), size, XVII, 127.

Prairie Lodge (Ill.), Farnham in, XXVIII, 14.

Prairie du Pont (du Po, Bridge), location, XIV, 101, XVII, 114, XXVII, 116; French found, XXVI, 143; described, XXVII, 117; sketch, 116.

Prairie potato. See *Psoralea esculenta*.

Prairie du Rocher (Prairie de Rogue, Ill.), III, 103; location, V, 258, XIV, 101, XVII, 113, XXVII, 70-72; founded by French, XXVI, 143; characteristics, XXVII, 71; early settlement, V, 258, 259; bluffs, XXVII, 99, 107; decay of, XXVI, 13; Flag in, 12, XXVII, 73, 75; A. Michaux,

III, 70, 78; population, 71, XIX, 59, XXVII, 72; described, XIX, 59, XXVI, 101, XXVII, 72, 73.

Prairie Wolf. See Ietan.

PRAIRIES: meaning of term, V, 56; origin of, XI, 280, 281, XV, 166, 167, XXVI, 343-346; size, V, 240; fires, XVII, 270, 272, XX, 116, 205, 206; vegetation on, V, 294, 295, XV, 186; unhealthy, XI, 288, 290; in Indiana, VIII, 77, 78; Louisiana, V, 254; Mississippi River, XVII, 118; Missouri, V, 93, 146, 260, XVII, 118; Ohio, VIII, 194, 195, 255; character of Western, V, 239, XI, 269, 281, XXVI, 280; population, XXVIII, 117; described, V, 56, XVII, 110, 111.

Antelope, named, XVIII, 105.

Arrow, on Missouri River, VI, 164.

Bald-pated, VI, 165; location, XIV, 217; named, XXII, 262.

Corne de Cerf, location, XXIII, 186; Maximilian on, 34, 35, 136; population, III, 71.

Coro, Astorians on, VI, 355.

Cowlitz, settlers, XXVII, 386.

Diamond Grove, described, XXVI, 303; sketch, 303, 304.

English. See English Prairie.

Fire, as a boundary, XIII, 236.

French Creek, described, X, 271.

Grand, origin, XXVI, 343, 347, 348; town on, 361; described, 329, 339-342; sketch, 340.

La Grande (St. Louis), location, XV, 167.

Grande Ronde. See Grande Ronde Reservation.

Great Western, as a boundary, XXVI, 70, XXVIII, 208, XXIX, 29; extent, V, 239, 240, XX, 238, XXVIII, 108; geography, XX, 237-241; geology, 242; mountains, XXVIII, 305; plateaux, XX, 238; rivers, 139, XXVIII, 109-117; animals, XIX, 243, 244, XX, 259-283; scarcity of timber, V, 239, XIX, 243, XX, 248, 256, 257, XXVII, 153; plants, 174; of water, XIX, 219, 232; climate, 189, XX, 258, 259; conflagrations on, 205, 206, 253, 255-257; droughts, 257; hurricanes, XIX, 228, 229, XX, 253; wind storms, 211; optical illusions, XIX, 241-243, XX, 92, 93, 211; explored, XVII, 190, XIX, 174; government, XX, 234; disadvantages, 250, 251; products, 253-258; commerce, XIX, 160, 162, XXII, 211; Indians on, XVII, 76, XXVIII, 117-160, XXIX, 29; emigrants, XXX, 249; traders, XX, 229, XXVIII, 167; Farnham, 191; Gregg, XIX, 14, 167; described, XVI, 174, XIX, 219, XX, 220, 221, 250, XXI, 49, 101, XXVII, 214, 215, XXVIII, 15, 107-109, 114; authentic accounts, 25.

Horse, De Smet on, XXVII, 337, 357, XXIX, 173.

Horse (Ind. T.), location, XIII, 216.

Illinois, described by Flagg, XXVI, 214, 331, 332.

Kamas (Camas, Camash), location, XXVII, 335; grazing on, XXIX, 91; De Smet, XXVII, 334, 337; Townsend, XXI, 247.

Looking-glass, described by Flagg, XXVI, 252.

Madelaine (de la), Franchère at, VI, 190.

Mamelle, site, XXVII, 109-111; origin of name, XXVI, 117; described by Flagg, 121, 274, 275, 277, 285, 286, 288, 298; population, 276.

Mark's, boundary, XXVI, 302.

Messe (de la), Indian name, XXVII, 138; first mass said, XXVI, 16.

PRAIRIES (continued) —

- Muddy, described by Flagg, XXVI, 365.
 Osage, size, XIII, 235; Nuttall on, 244
 Payne's, site, XXVI, 214.
 Portage, Long at, II, 133.
 St. Michael's, described, VI, 69, 165.
 Sambo, honey-dew on, XIII, 244.
 String, XXVI, 300.
 de Thé, Townsend on, XXI, 361.
 Tobacco, Indians on, XXIX, 203; De Smet, 205; sketch, 203.
 Prather, Charles, land owner, IV, 108.
 Pratt, —, on Ohio River, IV, 108.
 Pratt, —, trader, killed by Indians, XX, 134.
 Pratt, Everett, purchases land, XXVI, 96.
 Pratt, Joseph, land owner, XXVI, 96.
 Pratte, Bernard, Sr., fur-trader, XV, 193, 195, XVIII, 38, XXII, 378; in St. Louis, XVIII, 10, XXII, 282; Maximilian meets, XXIV, 130; sketch, XV, 193, XXII, 282.
 Pratte, Bernard, Jr., on "Assiniboin," XXII, 282, XXIII, 12; "Yellowstone," XXII, 300; sketch, 282.
 Pratte, Sylvester, fur-trader, XVIII, 38, 43; expedition to Santa Fé, 10; Pattie joins, 12, 39, 41, 42; encampments, 39, 41, 42, 46, 48-53, 56, 59-65, 71, 72; supplies and equipment, 42, 50-53, 56, 63, 69, 73; hunting and trapping, 52, 53, 63, 64, 110; caches, 73; accidents, 62; illness, 52, 53, 71, 110; privations, 57; hardships, 65; on Platte River, 40, 42; Mad Buffalo Creek, 41; Smoking River, 49; Smoky Hill River, 63, 64; Arkansas River, 65; at St. Ferdinando (N. Mex.), 73; Santa Fé, 75-85; relations with Indians, 12, 52, 54, 55, 59-61, 68, 110; Comanche, 65-72; Pawnee, 12, 39, 40, 43-48; bet with Pattie, 51, 52; death, 169.
 Pratte, Cabanne & Company, fur-traders, XV, 193.
 Pratte, Chouteau & Company, fur-traders, XV, 193, XVIII, 38.
 Pratte family, in St. Louis, XXVI, 165.
 Prattsburgh (N. Y.), Narcissa Whitman in, XXI, 355.
Prenanthes, juncea and *runcinata*, XV, 295.
 Prentice, George D., IV, 187; book dedicated to, XXVI, 11; sketch, 29, 30; Louisville *Journal*, 9, 29; *Henry Clay*, 30; *Prenticeana*, 30.
 Prentis, John O., in Cold Spring (Ill.), XXVI, 354.
 Prentiss, Sergeant S., in Vicksburg, (Miss.), XXVI, 10.
 Presbyterians, Harmonists resemble, XI, 255; Seceders a branch, III, 342, 347, IV, 183, VIII, 251; general assembly, XII, 75; churches, XI, 76, 77; itinerant preachers, IX, 294; Campbell joins, XXVI, 358; Oregon mission, XXI, 352, XXVII, 389, XXIX, 126; among Indians, V, 86, XXIV, 175, XXVIII, 344, XXX, 108, 255, 256; in Illinois, XXVI, 226, 243, 304; Indiana, XI, 294; Kentucky, IV, 140, 171, 183, 187, IX, 132; Louisiana, VIII, 345, XIII, 316, XIX, 124; Mississippi, IV, 311, 322; New York, XII, 75; North Carolina, III, 101; Ohio, IV, 204, 216, XIX, 34; Pennsylvania, III, 342, 347, 368, 369, IV, 31, 41, 48, 65, 73, 84, 94, 107, 249, 254, IX,

- 55, XII, 202; South Carolina, XI, 76; Tennessee, III, 62. See also Clergymen, Missions, Religion, and the several clergymen.
- Prescott, —, in Charleston (S. C.), XI, 65, 66, 105.
- Prescott, W. H., cited, XXVIII, 30.
- Prescott (Can.), Flint in, IX, 322, 323.
- "President," in war with Tripoli, VI, 194; Faux on, XII, 74, 75.
- Presidio, Spanish name for fort, XVIII, 155; de la Juntas, XX, 146; del Norte, 146, 225, 227, 236.
- Presqu' Isle. See Erie (Pa.), and Forts: Presqu' Isle.
- Presser, Martin, killed by Indians, XXII, 125.
- Preuss, Charles, map, XXIX, 79.
- Prevost. See Provost.
- Prevost, J. H., United States commissioner, VI, 241, XXVIII, 38.
- Prewett, —, in Arkansas, XIII, 140.
- Prewitt, Isham, in Kentucky, III, 43.
- Price, —, in Philadelphia, XI, 107, 163.
- Price, Ensign —, in Fort Le Boëuf, I, 102.
- Price, Gen. Sterling, in Mexican War, XVIII, 73, XXII, 314; War of Secession, XXVI, 97.
- Price & Morgan, ship owners, XVII, 181.

PRICES —

In general: domestic goods, XIX, 177; imports, IX, 59, XII, 66, XIX, 27; French goods, I, 29; Anglo-American and French compared, XIV, 142; English and French, I, 68, 119, 120, 171; England and United States, IX, 31, 227, XII, 119, 168, 169, XXVIII, 307; Europe and United States, XII, 182; Middle West, XI, 14; East and West, VIII, 146, XII, 258, XXX, 258; Pennsylvania and Ohio valley, I, 227; Baltimore and Cincinnati, X, 236; Louisville and New Orleans, XIII, 64; New York and Charleston, III, 126; Zanesville and Steubenville, X, 76; labor and produce, XIII, 171; relation of production to prices, IX, 226, 227; dependent upon markets, XI, 156, XII, 202; high, III, 266, 267, 270, VIII, 131, 220, IX, 247; exorbitant, IV, 352, VIII, 52, XII, 238, XIII, 77, XIX, 177, XX, 30, XXX, 120, 262; fixed, VII, 239; decline, III, 239, X, 9, XX, 222.

Animals: cattle, IV, 137, X, 263, XI, 146, 180, XXX, 86, 219, 262; cows, III, 245, VIII, 331, X, 74, 192, 281, 282, 355, XI, 241, XXX, 258; deer, VI, 257, IX, 116, X, 108, 231, 289, XI, 222, XIV, 94; dogs, VIII, 153, XII, 173, XXIV, 51, 89; hogs, IV, 137, 174, X, 74, 285, XI, 241, XII, 283, XXX, 219; horses, III, 85, 140, 195, 245, IV, 100, VI, 116, VII, 148, 219, IX, 139, X, 81, 265, 281, XI, 93, 171, 193, 241, 304, XV, 163, XVI, 110, XVIII, 288, XX, 93, XXI, 136, XXIII, 119, 262, 289, 297, 322, XXVIII, 182, 316, XXX, 74, 87, 98, 219, 234, 235, 258, 262; mules, XV, 163, XVIII, 151, 255, XX, 131, XXVIII, 242; oxen, X, 74, 196, XII, 120, XIX, 191, XXX, 258, 262; sheep, V, 316, X, 74, 284, XI, 190, XII, 15, 17, 322, XIX, 323, XX, 205, XXX, 219.

Building: academy, XXIV, 189; bridges, XII, 19, XVI, 119; cabins, X, 48, 278, XXIV, 31; canals, XXII, 131, XXIV, 177, XXVI, 49, XXVIII, 374; church, IV, 187, XX, 187; farm buildings, X, 280, XI, 241; fences, IX, 39, 40; forts, IV, 244, V, 270, XIV, 101, XXIV, 121, 184; houses, IV, 118, 183, XI, 151, 289, 300, XII, 76; levees, IV, 358; mills, III, 293, X, 236, XXVIII, 136, XXIX, 18; organ, IV, 348; roads, XII, 181, XIV, 60; Boston Museum, XXII, 49; Mormon Tabernacle, XXVI, 359; New York State Capitol, XXIV, 189; Philadelphia waterworks, IV, 28; St. Louis Hotel, XXVI, 164.

PRICES (continued)—

Building materials: brick, X, 74, XIV, 148; cables, XI, 34; lime, X, 74; lumber, VIII, 220, 269, IX, 256, X, 75, 206, 277, XXII, 98, XXIX, 62, 95; sand, X, 74; shingles, IX, 163, XXII, 109, XXX, 219.

Clothing: IX, 31, 135, 227, 273, X, 79, XI, 78, XII, 71, XXX, 98; bandanas, XI, 66, 67; boots and shoes, V, 287, 288, XXIII, 31, XXX, 217, 218; calicoes, XIX, 177, XX, 222, XXX, 217; crape, XI, 46; dry goods, III, 343, XXX, 218; fans, XI, 46; flannel, XXX, 217; handkerchiefs, 217; hose, 218; necklaces, XXIII, 262, 368; overcoats, XXII, 180; scarfs, XVIII, 360, 361, XIX, 342; shawls, XI, 46; trousers, XII, 71; umbrellas, XI, 46; uniforms, XXIII, 127, 161; watches, XI, 64.

Farm produce: X, 338, XI, 191, 214; corn, I, 227, III, 278, IX, 139, X, 27, 74, 300, XI, 180, 236, 290, 291, XII, 17, 237, XIII, 77, XIV, 131, 148, XIX, 68, XXII, 183, XXX, 219; Indian corn, III, 238, 297, 304, IX, 117, 126, 135, 273, 303, XIII, 131, XIX, 136; cotton, III, 278, 303, IV, 357, VII, 199, IX, 135, XIII, 101, 142, 281, XX, 222; grain —, IX, 135, XI, 161; barley, X, 74; oats, IV, 204, IX, 139, X, 74, 296, XI, 176, XIX, 68, XXX, 219; rye, IX, 139, X, 74, XIX, 68; wheat, IX, 82, 117, 126, 139, 303, X, 74, 295, XI, 141, 150, 153, 156, 176, 180, 248, 292, 300, XII, 17, 18, 119, 237, XIV, 148, XIX, 68, XX, 156, XXX, 189, 219; hay, X, 74; hemp, IX, 140; manure, X, 74; rice, XI, 102, XIII, 107, 317; straw, X, 74; tobacco, III, 241, VII, 199, IX, 140, XXI, 85, 193.

Land: IV, 106, 132, 212, 357, V, 236, 281, 307, 314, IX, 39, 42, 81, 115, 122, 129, 176, 181, 184, 187, 233, 235, 257, 288, X, 14, 45, 103, 109, 215, 216, 221, 235, 263, 266, 329, 331, 332, XI, 37, 110, 116, 126, 128, 129, 131, 132, 141, 147, 148, 153, 155, 161, 163, 165, 166, 169, 172, 173, 175, 176, 178, 179, 182, 186, 191, 194, 204, 209, 214, 216, 218, 231, 235, 241, 253, 269, 277, 284, 289, 295, 299, XII, 14, 16-18, 20, 21, 57, 60, 67, 69, 76, 79, 93, 97, 100, 105, 106, 114, 119, 120, 149, 187, 196, 201, 204, 205, 208, 212, 213, 225, 256, 322, 323, XIII, 51, 55, 63, 145, 161, 165, 166, 313, XIV, 105, 106, 144, 149, XVIII, 360, XIX, 31, 80, 81, XXI, 126, XXII, 171, 181, 182, XXIV, 164, 165, XXVI, 128, 226, 259, 307, XXVII, 54, XXVIII, 125, 133, 138, 140, XXIX, 165, XXX, 161, 166, 200; Illinois, XXVI, 128; Indiana, IV, 266; Kentucky, III, 191, 193, 225; Mississippi, IV, 357; Missouri, V, 196, 263; New Orleans, VIII, 339; Northwest Territory, V, 281; Ohio, III, 185, IV, 142, 212, 256; South Carolina, III, 295; Tennessee, 191, 193, 279; Virginia, IV, 142; West Virginia, III, 171; Indian, IV, 293, VI, 398, XIII, 132, XIX, 72; farm, III, 151, IV, 160, 212, IX, 154, X, 45, 215, 216; mountain, III, 289; public, X, 14, 103, 331, 332; town lots, IV, 160, 203, 221, 228, IX, 126, 127, X, 329, XII, 208; rented, III, 279, IV, 184; relation to settlement, IX, 183.

Provisions: III, 131, 190, 201, 251, IV, 182, 183, 247, 261, 262, 281, 283, 321, V, 13, 286, 288, VIII, 195, 341, IX, 31, 58, 126, 135, 141, 238, 267, X, 32, 37, 39, XXX, 57; bread, I, 286, XIV, 131; butter, IX, 140, 163, X, 37, 69, 74, 108, 239, 282, 355, XI, 213, 244, XIII, 77, 317; cheese, IV, 91, IX, 140, 163, XIII, 317, XIX, 136; coffee, IV, 353, X, 108, XIII, 161, 317, XXI, 85; corn-meal, XI, 230, XXX, 263; eggs, IX, 140, X, 108, 237, 287, XIII, 77; fish —, X, 40, 108; cat, 69, 234; salmon, XXI, 261, XXX, 219; shad, XII, 331; flour, III, 140, 172, 239, V, 288, IX, 139, X, 37, 39, 68, 69, 74, 77, 108, 236, 355, XI, 190, 292, XII, 20, 65, XIII, 51, 68, 78, 101, 102, 112, 161, 317, XIX, 136, XXIX, 60, XXX, 57, 86, 99, 149, 189, 218, 262, 263, 297; fruit —, X, 193, 196; apples, 75, XI, 293, XIII, 69, 77, 112; melons, X, 108, 222, 236, 237; peaches, IX, 254, X, 75, 236, 247, 255, XII, 205; pears, X, 75; pine-apples, 193; game —, 355; venison, V, 201, 203, 257, X, 355, XI, 206, 211, 228, 255, XII, 279, XIII, 88; honey, X, 108, 349; liquors —, I, 41, XI, 103, 290, XII, 294, XIII, 112, XX, 37; alcohol, XXI, 193; brandy, III, 89, 242, 256, IV, 134, XI, 103, XII, 177; porter, XI, 103, 113, 130; rum, I, 286, XII, 177; whiskey, III, 86, IV, 99, 134, V, 122, IX, 140, X, 108, XI, 35, XII, 177, XIII, 77, 88, XVIII, 171, XXII, 184, 258, XXVII, 261, XXVIII, 174; wine, X, 43, XI, 70, XII, 177, 260, 269, XIII, 63, 112, XVIII, 171; meat —, I, 121, V, 97, X, 236, XII, 177; bacon, X, 108, 236, 279, 355, XI, 180, XIII, 317, XIV, 148; beef, III, 122, IX, 139, X, 39, 68, 69, 74, 108, 254, 281,

355, XI, 180, 190, 193, 213, 256, 290, XII, 14, 15, 17, XIII, 51, 77, 112, 317, XIX, 68, 136, XXX, 219, 263; ham, XIV, 131; mutton, IX, 139, X, 284, 355, XI, 193, 256, XIX, 135; pork, IX, 139, X, 74, XI, 180, XIII, 68, 77, 112, XIX, 68, 136; veal, X, 281; milk, 233, XI, 213, XIV, 131, 141, 142; pepper, VIII, 31; poultry —, III, 172, V, 316, IX, 140, X, 74, 108, 222, 225, 237, 287, 291, XI, 163, 180, 190, 193, XII, 14, 15, XIX, 136, XXII, 161; geese, XIII, 88; turkeys, V, 201, 257, IX, 139, X, 74, 108, 124, 291, XIII, 88, XIX, 136, XXII, 168; salt, III, 197, 280, IV, 78, 164, VIII, 181, X, 74, 130, 279, XII, 237, 238, XIII, 68, 77, XIX, 311; sugar —, X, 74, 108, XI, 301, XIII, 77, 161, 317, XVIII, 362; brown, XII, 238; coffee, 238; loaf, 177, 238; maple, III, 163, IV, 151, XXII, 183; tea, XII, 177, 238; vegetables —, III, 122, X, 193, XII, 64, 324; cabbages, 64, 324; carrots, 64; cauliflower, 324; celery, 111; onions, XIII, 112; potatoes, IX, 139, X, 74, 304, XII, 17, 63, 64, XIII, 112, XXX, 219, 263; pumpkins, V, 284, X, 301; spinach, XII, 64; turnips, X, 74.

Miscellaneous: beavers, XXIII, 145; boats —, IX, 98; arks, V, 302, IX, 97, X, 243, 256; brigs, VII, 262; flat-boats, XXVI, 61; keel, VIII, 245; skiffs, X, 222, 247, XIII, 47; candles, X, 284, XI, 213; carriages, III, 302, IV, 188; chairs, XXX, 218; fat, XI, 213; feathers, X, 287; feather beds, 287; flour barrels, III, 239; fodder, 86, 89, 90, 97; fuel —, IV, 73, 77, X, 42, 83, XII, 164; coal, III, 123, 153, IV, 193, 252, VIII, 248, X, 37, 74, XII, 202, XIV, 53, XIX, 28; wood, III, 123, 134, 153, XXII, 167, 205, 210; furniture, XIX, 336; ginseng, III, 232, 233; glass, X, 74; gold, XVIII, 150, XIX, 304, 305, 309; guns, X, 218, XII, 182, XXII, 389; harness, XI, 241; horseshoes, X, 61, XII, 195, 276; iron, IX, 79, 305, X, 75, XXX, 218; kitchen ware, XIX, 336; knives, XII, 164, XXI, 261, XXVIII, 316, XXX, 219; laundry, IX, 31, XII, 169; lead, V, 249, X, 75, XIII, 77; lead mines, V, 253; litharge, X, 75; oil, IV, 102; paper, III, 200; pearl ashes, X, 75; percussion caps, XXX, 218; pipes, XXIV, 18; plaster of paris, XI, 150; pothooks, 287; potash, X, 75; saltpetre, III, 202; soap, XII, 169, 177; stabling, 226; storage, X, 221; tents, XXII, 327; tools —, XXX, 218; axes, 219; tumblers, XI, 300; wagons, XIX, 337; water, IV, 28, VIII, 183, XII, 172, XX, 164; well-digging, X, 273, 341; wool, IX, 140, X, 74, 284, XIX, 323.

Prickly beaver, name for American porcupine, XXIX, 223.

Prickly pears, habitat, VI, 156, XV, 291, XVI, 95, XVII, 135; abundant, V, 46, XV, 242, XVI, 23, XVII, 135, XVIII, 219, XIX, 296, XXX, 115; troublesome, XV, 281; as fodder, 242, 243; Indians eat, XIII, 336; De Smet observes, XXVII, 255; Long, XV, 280; Nuttall, XIII, 170; Willard, XVIII, 334; described, CX, 258; *cactus cylindricus*, XV, 310, 311; *ferox*, 222, 242, 263, 311, XVI, 57, 96; *mamillaris*, V, 93, XV, 223; *opuntia*, V, 93, XV, 222.

Pride, The, an Indian, I, 32.

Pride of India (tree), in Charleston (S. C.), XI, 67.

Prideaux, John, in French and Indian War, I, 54.

Priest, Josiah, *American Antiquities*, XXVI, 75.

Priestly, Dr. —, cited, X, 158; attacked by Cobbett, 167.

Priests (Roman Catholic), dress, XII, 300, XXVII, 351; character, XVIII, 227; good qualities, 339, XIX, 176, XXVII, 84; bad qualities, X, 41, XVIII, 154, 277, 279, 338, XX, 44, 50-52, XXVII, 41; honored, XX, 46, XXVII, 48, 51, XXIX, 362, 363; attitude toward criminals, XVIII, 352; small-pox among, 267; killed by Mexicans, 308; duties, 117, 154, 255, 352, 356, XXVII, 313, 314; attend fandangoes, 343; pass laws, 307; paid vs. voluntary services, X, 33; fees, 83; relations with Indians, XVIII, 76, 117, 149, 226, 276, 306, XIX, 260, 269, 270, XXVII, 285, 294, 319, 358, 392, 395, XXIX, 119, 132, 142, 154, 234, 235, 312, 327, 345, 349, 350, 354, 400, 408; with Spanish, XVIII, 145, 146, 287, 288, 306, 344, 357; Pattie, 263, 274, 279, 282, 283, 286-288; with De Smet, XXVII, 191, XXVIII, 16; at copper mines, XVIII, 117, 118; in Athabasca, XXIX, 255; Cahokia (Ill.), XXVII, 118; California, XVIII, 16; Fort Vancouver, XXVII, 377, XXIX, 126;

PRIESTS (continued) —

- Hudson's Bay Territory, 171; Oregon, 23, 101, 172; Prairie du Rocher, XXVII, 72; Sandwich Islands (see also Hawaii), 391; Santa Catalina, XVIII, 222; Saskatchewan River, XXIX, 358; Tabira (N. Mex.), XIX, 301; Far West, XXVII, 336; Whitby Island, XXIX, 129. See also Catholics, Churches, Clergymen, Missions, Religion, and the several orders.
- Primeau, Charles, Ponca interpreter, XXII, 285, XXIV, 96; relations with Maximilian, 97; sketch, XXII, 286, 289.
- Primogeniture, right of, XII, 324, 325.
- Primroses (*oenothera*), XXII, 82; *albicaulis*, V, 318, XV, 259; *biennis*, 281; *dodecatheon*, XIII, 201; *macrocarpa*, V, 318, XVI, 143; *pinnatifida*, XV, 240, 241.
- Prince, John S., in St. Paul (Minn.), VI, 15.
- Prince, William, town named for, X, 46.
- Prince, Judge William, in Princeton (Ind.), XI, 225, XII, 11.
- Prince Albert (Can.), location, VI, 375.
- Prince Old Station (Ky.), A. Michaux in, III, 89.
- Prince's feathers (plants), cultivated, X, 303.
- Princeton (Ill.), post-office, X, 351.
- Princeton (Ind.), climate, XI, 304, 305; road, X, 325; quality of water, XI, 217; cost of living, 256; lynch law, 282; commerce, X, 45; as a market, XI, 233, 244, 246; cotton culture, XXII, 183; tea culture, XI, 228; Birkbeck in, 272, XII, 251; Faux, XI, 212-214, 224, 279, 280, 304; XII, 11; Flower, XI, 272; Hulme, X, 47, 61, 62; Maximilian, XXIV, 135; Welby, XII, 267, 268, other travellers and settlers, XI, 215, 216, 220, 280, 283, 288, 300, XII, 11; described, X, 45, 61, XI, 224; population, 224; sketch, X, 46.
- Princeton (N. J.), character of soil, IX, 50; battle, I, 244, IX, 52; Evans in, VIII, 122; Maximilian, XXII, 62; Minor, IV, 322; Morgan, 240.
- Prinos levigatus*, observed by James, XV, 177.
- Printers. See Trades.
- Printing presses, make for free speech, V, 289; in Illinois, XIX, 43, 59; Indian Territory, XX, 305; Indiana, IX, 164, XIX, 71, XXII, 164; Kentucky, III, 200, IX, 132, XIX, 40, 101; Louisiana, XI, 186; Missouri, XIV, 148; New Mexico, XIX, 332; Ohio, IX, 118, 239, 300, X, 227, XIX, 34; Oregon, XXX, 159, 236; Pennsylvania, III, 157, 255, 342, 369, IX, 58, 59, XI, 124; Tennessee, III, 251; Indian missions, XXVIII, 128, 137, 333. See also Books, Education, Libraries, and Newspapers.
- Prisons and penitentiaries, II, 54, III, 126, 127, 154, 263, IV, 29, 192-195, IX, 166, 167, 200-203, XII, 66, 80, 84, 87, 174, 302, XIII, 292, XIV, 100, XXVI, 117, 119, 202, XXVII, 53, XXVIII, 14; empty, V, 293; methods, XII, 303; Spanish, XVIII, 9, 10, 17, 112, 147, 152, 153, 232-254, 351, 352, XIX, 283, XX, 30, 81, 188, 189; English and American compared, IX, 202, 203; military, VI, 388, IX, 42; in Canada, 326, XXIX, 24, 61; Illinois, X, 254, XX, 99, XXVI, 197, 255, 319, 368; Indiana, X, 246, XIX, 71; Kentucky, IV, 158, 159, 176, 187, 192, 198, X, 252, XI, 194, XIX, 37, 40, 101; Mississippi, IV, 316, 349, XIII, 296; Missouri, XIV, 148, XVII, 87; New York, III, 126, XXIV, 180; Ohio, IV, 107, 204, 233, IX, 239, X, 223, XI, 224, XXIV, 159; Pennsylvania, III, 325, 347, 364, 368, 370, IV, 65, 98, 239, IX, 58, 61; West Virginia, III, 335, IV, 109, 113, IX, 103.
- Pritchard, John, in Assiniboia, VI, 380.
- Privateers, British, in Gulf of Mexico, IV, 371, 372.

- Privet tree, when budded, XIX, 75.
- Probes, —, manufacturer, III, 149.
- Proctor, Gen. Henry A., in War of 1812-15, I, 56, VIII, 81, 200, 205, 206, 210, 227.
- Productus*, XV, 233; in limestone, XXVI, 70; observed by Long, XV, 302; *anomites*, XIV, 227; *compressus*, 226, 227; *grandis*, 143; *incurvus*, 171; *lineolatus*, 224, 227; *pectonoides*, 226; *spinosus*, 143, 170, 223; *subserratus*, 223.
- Professions, in Middle West, XI, 218; unrestricted, IX, 204; large profits, III, 267; field for emigrants, V, 304, 306; overcrowded, XVIII, 366. See also Economic Conditions, Frontiersmen, and the several professions.
- Prophet, Indian chief, V, 227, VIII, 286; incites war, XIX, 66.
- Prophetstown (Ill.), site, XXII, 230.
- Prosalea canescens*, observed by James, XV, 205.
- Protestants, in Ireland, XI, 266; sects, VIII, 251; Indian missions, VII, 313, XXVI, 14, 278, XXVII, 202, 206, 284, 320, 337, 367, 389, XXIX, 133, 183, 240, 280; ill success, XXVII, 206; abandoned, XXIX, 170; relations with Catholic missionaries, XVIII, 256, XXVII, 398; insulted by Mexicans, XX, 45; in New Orleans, XIII, 316. See also Churches, Missions, Religion, and the several denominations.
- Proteus*, XIV, 45; characteristics, 46; abundant, XXII, 143, 169; observed by Nuttall, XIII, 108; *menobranthus lateralis*, XXII, 169; *neo casariensis*, XIV, 46.
- Proud, Robert, *History of Pennsylvania*, I, 175, 182, 183.
- Prout, Dr. H. A., describes Bad Lands, XXIV, 90.
- Provencher, Bishop J. N., in Winnipeg, XXIX, 255; on Hudson's Bay, 118; Red River settlements, 391; sketch, 391, 392.
- Providence (Mo.), location, XIV, 146, 147.
- Providence (R. I.), Dodge in, XI, 68; Graham, III, 324; Maximilian, XXII, 50-53; "Eleanora," VII, 52; described, XXII, 53, 54.
- "Providence," British vessel, VI, 186; river steamboat, XIX, 126.
- Provisions. See Food.
- Provost (Prevost), Jean Baptiste, Canadian voyageur, VI, 271; drowned, V, 232, 233, VII, 184.
- Prudent, —, Hudson's Bay factor, VI, 375.
- Prud'homme Cliffs, French name for Chickasaw Bluff, XIII, 81.
- Prunes, Spanish name for persimmons, XIII, 321, 330; grafted on plum trees, X, 315; article of trade, 192; *duerinckii*, XXIX, 424.
- Prussians, in Charleston (S. C.), XI, 69; Pittsburg, XXII, 139; consul, 58.
- Pryor (Prior, Pryer), Nathaniel, fur-trader, XIII, 138, 234, 235, 257, 277; trades for lead, V, 252; among Arikara, VI, 127; escorts Big White, V, 151; with Pattie, XVIII, 263.
- Psihdje-Sahpa, Yanktonan Indian, portrait, XXIV, 62, XXV, 45.
- Psilotria*, observed by Nuttall, XIII, 208.
- Pstittacus caroliniensis*, abundant, XIV, 79.
- Psoralea* ("white apple," "swan apple"), described, XV, 181; *cuspidata*, V, 319, XV, 223; *elliptica*, V, 319; *esculenta*, 47, 154, 155, 319, X, 309, XV, 217, 223, XXI, 248, XXII, 298, XXIII, 109, 133, 303, 316, XXIX, 196; *incana*, XV, 223; *longifolia*, V, 319; *tenuiflora*, 319.
- Pteh-Skah (white cow), character of, XXIII, 203.

Pteris atropurpurea, XV, 176, XVII, 51.

Puant (Puan) Indians. See Winnebago.

Public Speaker. See Quillquillistshenachcan.

Puccoon, Indian name for bloodroot, III, 334; *batschia canescens*, XV, 200, XXII, 258; *longiflora*, XV, 200.

Pueblo Indians, meaning of term, XIX, 264, XX, 54; described by Gregg, XIX, 16, XX, 54-67; linguistic stocks, XIX, 266, XX, 55, 56, 61; habitat, XIX, 284, 287, XX, 67; population, XIX, 287, XX, 55-57; characteristics, XIX, 269, 270, XX, 55, 60, 61, 91, 269, 270; religion, 54, 57-60, 63; dwellings, 55, 56, 62; deserted, XIX, 268; ruins, XVIII, 155, XIX, 301-303, XX, 68; government, 60, 61; food, 66, 67; dress, 65, 66; domestic arts, 56, 64, 65; matrimony, 61; as agriculturists, 55; amusements, 62; war customs, 61, 66; revolt against Spaniards, XVIII, 73, 155, XIX, 263-273, 275; reconquered, XX, 57; civilization of, XIX, 259; schools, XX, 61; conceal mines, XIX, 300.

Pueblo (Colo.), site, XIV, 15, XVI, 26, XXVIII, 186; creek in, XV, 305.

Pueblo County (Colo.), boundary line, XVI, 52; river in, XXVIII, 188, 189.

Puelches Indians, sacrifice to dead, XXIII, 121.

Puget, Peter, sound named for, VII, 117, XXIX, 90.

Puget Sound Agricultural Company, in Fort Nisqually, XXI, 342; founds settlements, XXVII, 386; brings colonists, XXX, 168; farms, XXIX, 96, 97.

Pugsley, Dr. —, in Wanborough (Ill.), XI, 268; Albion (Ind.), 253; speculator, 252.

Pulaski County (Ark.), location, XIII, 146; seat, 156; village in, XXVI, 78.

Pulmonaria, lanceolata and *sibirica*, V, 317; *virginica*, habitat, XIV, 61.

Pulque (pulk), Spanish liquor, XVIII, 362, XX, 165.

Pulsatilla vulgaris, observed by Maximilian, XXIV, 79.

Pulse, cultivated, XXIX, 185; quality, XIII, 69.

Pumice, on Missouri River, V, 165, VI, 88, 101, 156; Santa Clara Mountains, XVII, 191; for skin dressing, XXII, 322; Long observes, XVI, 83; Maximilian, XXIII, 243; described, XVII, 209, XXII, 261.

Pumpkins, IV, 341, VI, 37; Indians cultivate, XIII, 328, XIV, 197, 289, XV, 128, 152, 216, XVI, 240, XVII, 154, XVIII, 43, 59, XXI, 48; in Indian legend, XXIX, 375, 379; cultivated, V, 260, X, 263, 299, XVII, 31, XXVIII, 347; size, V, 284, IX, 305; abundant, X, 248; article of trade, 253, XV, 217, XVI, 270, XXX, 108; cached, XV, 215; as fodder, V, 284, X, 339; as food, XVIII, 123, XXIII, 370; boiled, XIV, 191, 303, 304, XVI, 286; marmalade, XIII, 275; described, X, 301.

Pumps, construction of, XII, 192; public, III, 122, 130; Jackson's, X, 193.

Punca Indians. See Ponca.

Punch (liquor), XXIII, 197.

Punxatawny, Post in, I, 229.

Purcell, James. See Pursley.

Purchas, Samuel, authority on Indians, XIII, 118, 259, XXVI, 231; *Pilgrims*, XIII, 175, 319, 320, 323, 336, XXVIII, 31; sketch, XIII, 118.

Puris Indians, skulls, XXII, 220.

Puritans, in New England, VIII, 13, 251, XIV, 41.

- Pursh, Frederick, botanist, V, 100, XIV, 154, XXIII, 243; *Flora America*, V, 26, XIV, 155, XXIII, 243; sketch, XIV, 155, XXIII, 243.
- Purslane (*portulacca oleracea*), habitat, XV, 273, XVI, 86.
- Pursley (Purcell), James, trader, XIX, 173, 174.
- Purviance, John, founds Claysville (Pa.), X, 220.
- Puter, James, with Pattie, XVIII, 263.
- Putnam, Israel, library of, IV, 127.
- Putnam, Gen. Rufus, in Marietta (Ohio), I, 130, III, 34, 311, 354, IV, 124, 125, IX, 110; Belpré (Ohio), IV, 127; sketch, III, 311.
- Putnam (Ohio), sketch, IX, 100.
- Putnam County (Ill.), in bounty tract, XXVI, 128; seat, 139.
- Putnam County (Ind.), settlement in, XXX, 31.
- Puttenham (Eng.), emigrants from, X, 242.
- Pyatt, Jacob, Indian trader, I, 62.
- Pyeatt, Jacob, in Arkansas, XIII, 152, 288.
- Pyeatt, Maj. James, on Arkansas River, XIII, 152, 288.
- Pyeattstown (Ark.), founded, XIII, 152; Miller in, 156.
- Pyrethrum*, observed by Maximilian, XXII, 48.
- Pyrites, discovery of, XV, 176; where found, XIV, 219, XVII, 89, 229; in coal beds, V, 275; with iron ore, 248; mistaken for silver, 241; decomposition of, XIV, 126, XV, 175; fragments, XVII, 57; abundant, XVI, 286; Flagg observes, XXVI, 330; Nuttall, XIII, 37, 67, 85, 151, 180.
- Pyrola secunda*, observed by James, XV, 306.
- Pyrus coronaria*, height, XIV, 156.
- Pysley, —, in Germantown (Pa.), XI, 108.
- QUADRA (Cuadra), Señor Don Juan Francisco de la Bodega y, at Nootka Sound, VI, 186, 289, XXVIII, 33.
- Quadrant (Ark.). See Cadron.
- Quahat, Cayuse war chief, XXVIII, 340.
- Quail, habitat, III, 327, 350, XII, 296, XVII, 147, XXVII, 334, XXX, 260; scarce, XIX, 328; abundant, VIII, 192, IX, 120, XIX, 140, XXVI, 163, XXIX, 289; method of capturing, IX, 120; in Indian mythology, XXVI, 77; described, X, 291; *perdix virginiana et marylandica*, XXII, 88.
- Quakers, resemble Dunkards, XII, 206; character, X, 83, 319, XIX, 12; dress, IX, 62; persecuted, VIII, 251; excommunicated, XI, 127; preachers, X, 33, 63; relations with Indians, I, 261, 290, IV, 89, 90, VIII, 184, XX, 288; attitude toward war, XIX, 12, 29, 38; in Revolution, XII, 71, XIV, 40; attitude toward slavery, IX, 61, XII, 219, XIX, 99, 100; toward Moravians, I, 179; promote charitable institutions, XII, 302; entertain colonists, XXIV, 155; condemn Birkbeck-Flower settlement, X, 155; found Philadelphia, XXII, 64; in District of Columbia, XI, 123, 128; England, X, 10, XIX, 38; Illinois, X, 319; Indiana, 81, XII, 12; Maryland, IV, 89; Massachusetts, XIX, 11; New Jersey, X, 212; Ohio, IV, 233, V, 244; Pennsylvania, I, 57, 84, 182, 290, III, 337, 370, IV, 31, 87, 89, IX, 54, X, 145, 161, XI, 120, 132, 160, XII, 67, 82, 83, XIV, 39, 40, XXII, 72; in Tennessee, III, 268; West Virginia, X, 77.
- Quálaskin (muddy river), Chinook chief, XXI, 341.

Quality Plains (Oregon). See Tualatin Plains.

Quapaw (Arkansas, Oguahpa, Osark, Quappa, Quipana) Indians, sketch, XIII, 117; origin of name, 117; origin, 119, 133, 134, XVII, 156; branch of Sioux, XXIV, 223; remnant of Arkansas, XIII, 94, XX, 297; formerly Osark, XVII, 177; identification, XIII, 122; habitat, 129, 130, 139, 141, XVII, 128, XXVIII, 121; size of villages, XIII, 130; boundary, 119, 128; river named for, 121; language, 119, 140, 291; character, 122; cleanly, 127; humane, 133; bark houses, 290; food, 134; fond of whiskey, 134; physiognomy, 120; dress, 126; hair decorations, 125, 249; contribution dance, 290; music, 126; smoking, 134; marriage rites, 124, 125; burial, 116; war customs, 123; occupations, 121; use of firearms, 140; traditions, 119, 138; superstitions, 124, 125, 134; religious beliefs, 126; jugglery, 126; interpreter, 289; in Indian council, 248; Cherokee allies, XVII, 19; relations with Chickasaw, XIII, 122, 123; with Osage, 123, 279; with whites, 119, 120; De Soto among, 330; Nuttall, 290; capture Le Roy, 140; relations with government, 117-119, 132, 133, 140; population, XXVIII, 121; (1818), XIII, 117; (1820), 117; (1839), XXVIII, 121; (1844), XX, 317; (1900), XIII, 117; described, 18, 94, 116-127, XVII, 128, XXVIII, 133; reservation, XIII, 111, 306; boundaries, 132; Ottawa on, XXVIII, 136; Peoria, XVII, 41; Piankashaw, XXVIII, 135; Seneca, 131; Shawnee, 137; ceded to United States, XIII, 133. See also Arkansas.

Quartz, character of, XV, 218; where found, III, 47, 63, V, 41, XVII, 54, 149; in granite, 184, 230; limestone, 247; sandstone, XVI, 90, XVII, 255; slate rock, 228; colored, XIV, 83; crystals, V, 248, XXVIII, 215; granular, XV, 183, XVII, 247, 254; limpid, 219; rounded, 251, 252; transparent, 31; white, XVI, 22; Farnham observes, XXVIII, 278, 375; Flint, IX, 121; James, XVI, 15, 22, XVII, 135; Maximilian, XXII, 75, 384; Nuttall, XIII, 36, 38, 82, 148, 150, 219, 300; James collects, XVII, 56.

Quay County (N. Mex.), mountain in, XX, 141; Laguna, 205.

Quebec, location, XIV, 48; climate, VIII, 161; settled, II, 42; connection with New Orleans, XXVII, 77, 86; in French and Indian War, I, 100, 103, IX, 27; siege, I, 192, II, 216; battle of Heights of Abraham, IX, 330; in Revolution, IV, 311; Americans in, IX, 323; Indian traders, XXVII, 35; Bernard, XXVI, 194; Blanchet, XXIX, 141; Ermatinger, VI, 395; Flint, IX, 313, 327; La Salle, XIX, 50; Long, II, 12, 34, 35; McLoughlin, XXI, 296; Madison, III, 87; Montgomery, IX, 27; Pambrun, XXI, 280; Point, XXVII, 193; Provencher, 391; Rowand, XXIX, 247; "Raccoon," VI, 302; governor's residence, IX, 330; cholera, XXII, 57; bishop, XXIX, 181; described, IX, 329-333.

"Queen Charlotte," on Lake Erie, VI, 394.

Queen Hythe (Oregon Terr.), population, XXIX, 98.

Queenstown (Can.), location, IX, 320; described, XIX, 48.

Queenstown Heights, in War of 1812-15, VIII, 45, 175; battle of, 159, 160, 167, 181, XVII, 12, XIX, 148; Brock's Monument, VIII, 45; Evans, 148; view from, 166.

Quemadero, in Mexico City, XVIII, 379.

Quemargo (Mex.), Willard in, XVIII, 363.

Quen, John, buried by Croghan, I, 44.

Quercus. See Oaks.

Queres Indians, stock, XIX, 266, 269, XX, 43; tribes, XIX, 272; language, XX, 56; pueblos, 64, 72.

Queria canadensis, on Missouri River, XIV, 156.

Querque, Santiago. See Kirker, James.

- Quesnel, Jules Maurice, river named for, XXIX, 79.
- Quickenborne, Father Charles Felix Van, sketch, XXVII, 263.
- Quick-lime, how made, XXVI, 147.
- Quicksand, in Arkansas River, XIX, 214, XX, 155; Canadian River, XVI, 176; Columbia, XXI, 288, XXIX, 48, 88, 89; Kanawha, XIV, 83; Missouri, XXII, 251; Rio del Norte, XX, 155; Gregg observes, 249.
- Quicksell, —, on Stony Creek, I, 289.
- Quicksilver (mercury), observed by Indians, XIV, 282; mined, XXI, 38; used in mining, XVIII, 150, XIX, 307, XX, 183; solution of, XVII, 48; as equipment, XV, 192; remedy, 47.
- Quigalta (Quigaute) Indians, identified, XIII, 118, 355, 356; De Soto among, 327, 334; La Salle, 118.
- Quille, Mary, battle with Crows, XXIX, 332.
- Quillquillistshenachcan (public speaker), Okinagan chief, VII, 276, 306.
- Quill-Quills-Tuck-a-Pesten, Cayuse chief, VII, 138.
- Quimper, —, names canal, XXIX, 90.
- Quince trees, cultivated, XIII, 301; abundant, XXVII, 69.
- Quincy (Ill.), as a boundary, XXVI, 128.
- Quinnat (*oncorhynchus chavicha*), described by Franchère, VI, 322; habitat, XXIX, 191.
- Quiñones, Cristobal, friar, XX, 43.
- Quitahicung, Unami chief, I, 280.
- Quivira (N. Mex.). See Tabira.
- Quiyaa, prices, XXII, 381.
- RABBITS, resemble prairie dogs, XX, 277, 278; in Illinois, X, 288; abundant, IX, 120, XXVI, 163; as game, XXX, 260; hunted, XI, 228, XII, 296, XIV, 277, XXIV, 109; as food, X, 284, 356, XXX, 122; Indian children named for, VII, 305; observed, XXIX, 184; described, X, 290; white, XXIX, 376; *lepus americanus*, XV, 318, XXII, 168.
- "Raccoon," British ship, VI, 191, 299, VII, 251; equipment, 248; voyages, VI, 301; accident, 301; impresses seamen, 302; passengers, 299; surgeon, 303; Canadians, 302; Comcomly, VII, 249; in San Francisco Bay, VI, 390; in Oregon, XXIX, 56; Columbia River, VI, 300, VII, 250; Astoria, VI, 301.
- Raccoons (*procyon lotor*), habitat, II, 79, 95, III, 78, 82, IV, 52, V, 257, VI, 323, X, 287, XII, 192, XIV, 158, XV, 317, XVII, 146, XXII, 168; food, XVI, 184; abundant, X, 249, XII, 208, XXII, 135, 168, 188; as food, I, 321, II, 157, 189; troublesome, XVIII, 201; make paths, XXIV, 108; hunted, XI, 200, 228, XIV, 158; method of hunting, III, 235, XV, 39; in Indian legend, XXIII, 313; *ursus lotor*, III, 234, 235; described, X, 288; skins, tanned, III, 235, XXII, 98, 162; article of trade, XIV, 269; value, III, 235, XIV, 311; prices, X, 288; as present, XI, 279.
- Rachel, Indian woman, I, 178.
- Racine à tabac, as food, XXIII, 109.
- Radishes, on Columbia River, VI, 319; time of planting, XIX, 75; cultivated, V, 157, X, 306; observed, XIII, 284.
- Radisson, Pierre Esprit, French explorer, II, 79.

Rafinesque, Constantine S., botanist, XIII, 70.

Rafts, I, 247, 248, 281, 282. See also Timber.

Ragon, —, in Kentucky, III, 88.

Railroads, surveys, XIV, 41, XIX, 241; second in United States, XXII, 90; total mileage in Pennsylvania (1840), 112; cause decline, III, 196, XXI, 89, XXIV, 139, 152; prosperity, XXVI, 81; projected, 296, 297, 314; in coal mines, XXII, 120-122, XXVI, 256; cog-wheel, XVI, 13. See also Transportation, and the several companies.

Rails, cost of splitting, XXX, 219.

Rainbow (Ohio), thermometrical observations in, III, 377.

Rainbows, observed by Maximilian, XXIV, 50, 61.

Raisin River, battle of, III, 61, 87, VIII, 205, 206, 210.

Rajania, A. Michaux observes, III, 75.

Raleigh (N. C.), XV, 245; Shaw in, XXX, 174; *Register*, XI, 124.

Ramirez, —, ensign, XVIII, 260, 261.

Ramsey, —, escape from Indians, II, 181-184.

Ramsey, —, tavern-keeper, IV, 57.

Ramsey, Dr. David, in Charleston (S. C.), III, 211; meteorological observations, IX, 243.

Ramsey, Maj. Joseph, Jr., plantation, XXIV, 123.

Ramsey, Samuel, in North Carolina, III, 99.

Ramsour's Mills (N. C.), in Revolution, III, 55.

Rançe, Abbé Armand, reforms Trappists, XXVI, 191, 192.

Ranches, size, XIX, 284, 323; in California, XVIII, 227, 228; Mexico, 347; New Mexico, XIX, 252, 322, XX, 82; Indian depredations, 75; abandoned, 77; owners, 46, XXVIII, 150. See also Agriculture, Cattle, and Frontiersmen.

Ranck, George W., *Boonesborough*, IV, 174; *Bryant's Station*, XVIII, 29.

Randall, E. O., *Separatist Society of Zoar*, XXIV, 155.

Randolph, —, in Columbia (S. C.), XI, 75.

Randolph, —, in Monticello (Va.), XI, 259.

Randolph, —, in Philadelphia, XII, 16.

Randolph, —, in Cabanné's post, XXIV, 106.

Randolph, John, orator, XI, 157, XII, 23.

Randolph County (Ark.), seat, XVII, 37; rivers in, 35, 37; boundary, 35.

Randolph County (Ill.), seat, XIX, 59, XXII, 210, XXVII, 23; militia, XXVI, 165.

Ranunculus, XXVII, 221; *abortivus*, XIV, 62; *amphibius*, XV, 277; *celeratus*, XIV, 62; *fluviatilis*, 124, XV, 277; *hirsutus*, XIV, 62; *marilandicus*, XIII, 136; *multifidus*, V, 318.

Rapaho Indians. See Arapaho.

Rape-seed (*brassica napus*), observed by Nuttall, XIII, 155.

Raphael, —, fur-trader, XIII, 177.

Raphael, Flathead Indian, XXIX, 331, 332.

Raphanister, observed by Nuttall, XIII, 287.

Rapid Indians. See Grosventres.

RAPIDS —

- Bush Riffle, described by Woods, X, 231.
 Cross Lake, boats on, VI, 377.
 Dauphin, origin of name, XXIII, 67; Maximilian on, 174; sketch, 67.
 Dead Man's, Flint on, IX, 91, 92.
 Devil's Hole, described by Maximilian, XXIV, 174.
 Elk Fawn (Lone Pine), named by Lewis and Clark, XXIII, 66.
 Flat, location, IX, 324.
 Grand, location, II, 131, VI, 377.
 Kewaughtohen. See Qualquil, below.
 Le Galete, location, IX, 324.
 Letart's, described by Flint, IX, 110; mill on, IV, 139; sketch, IX, 110.
 Lone Pine. See Elk Fawn, above.
 Long Falls, location, IX, 324.
 Long Sault, Franchère at, VI, 398, 399; described, II, 76; sketch, VI, 399.
 Maligne, location, IX, 324.
 Maumee, Ottawa on, I, 13; in Northwest Indian War, IV, 94; Buttrick at, VIII, 83; Morris, I, 304; Winchester, VIII, 210.
 Muscle Shoals, location, VIII, 293; sketch, 292.
 Musselshell. See Umatilla, below.
 Niagara, described, XIX, 146.
 Ouenipic. See Winnipeg, below.
 Priest's, VI, 344, 345; as a boundary, VII, 275; named, VI, 344, VII, 144; Astorians on, 145; described, 144.
 Qualquil (Kewaughtohen), Astorians on, VII, 146, 147.
 Ross, why named, VII, 150.
 St. Ann, Franchère at, VI, 399.
 Sandusky, Buttrick on, VIII, 78; Evans, 198, 199.
 Sault Ste. Marie, prosperity of, VI, 401, 402.
 Sault St. Louis, Franchère at, VI, 399.
 Twin Riffle, described by Woods, X, 230.
 Umatilla (Musselshell), sketch, VII, 136.
 Wabash River, XIX, 66.
 Whirlpool (Colorado River), described, XXVII, 375.
 Whitehill, in Columbia River, VII, 149.
 Windsor Creek, XXIII, 66.
 Winnipeg (Ouenipic), length, VI, 377. See also Falls.
- Rapp, Frederick, Harmonist, X, 313, XI, 249, 251.
 Rapp, George, Harmonist leader, V, 314, X, 54-56, 58, 312, 313, XI, 249, 250, 255, XII, 260, 262, 266; founds New Harmony, X, 50, XIV, 109, XXII, 163, 168, XXVI, 66, 67; other settlements, XXII, 139-142, XXIV, 155; plats churchyard, XXII, 172; preserves fossil, XIV, 109, XXVI,

RAPP (continued)—

146; house, XII, 262, XXIV, 144; policy, X, 60, 61; criticised, XI, 267; sons, X, 61; sketch, 50, 54, XIV, 109.

Rapp, George, Jr., in Economy (Pa.), XXII, 142.

Rasle, Sebastian, missionary, martyrdom of, XXVII, 65-68.

Raspberries, wild, VI, 396; when ripe, XIX, 75; scarce, X, 210; abundant, XXVII, 256, XXIX, 196; described, X, 308; American (*rubus occidentalis*), XIII, 231; mountain (*montanus floridus*), III, 362; red and orange, VI, 320; (*odoratus*), XV, 293.

Rastel, Philippe de, sieur de Rocheblave, at Kaskaskia, VI, 375.

Rat Indians, anecdote of, II, 126-130; sketch, 137; Long with, 142, 155; location, 157.

Rats, on Hawaiian Islands, VI, 221; numerous, X, 244, XII, 279; depredations of, XIII, 111, XXIV, 19, 36; observed, XI, 85; tooth in Indian grave, XIV, 118; blind (*spalax typhus*), XV, 169; European, III, 277; Norwegian, XIV, 107, XVIII, 53, XXIII, 235, XXIV, 13; pouched (*pseudostoma bursaria*), XV, 168, 318; sand, 168-170, XXIII, 373; wood (*neotoma*), XXII, 297, XXIV, 120, XXIX, 51; skins, VI, 325, VII, 104.

Rauch, Henry, Moravian missionary, I, 177.

Ravalli, Father Antonio, missionary to Oregon, XXIX, 137, 142; as a physician, 180; erects flour mill, 321; at St. Ignatius, 191; designs church, XXVII, 365; sketch, XXIX, 137.

Ravens (*corvus corax*), habitat, III, 83, XVI, 152, XVII, 147, XXII, 35, XXIII, 67, 172, 185, XXVIII, 222, 281, XXIX, 51; occupy deserted encampments, XXI, 189; abundant, XV, 247, XVI, 172, XXI, 149, 218, XXIII, 194, 199, 213, XXIV, 21; scarce, 54; depredations of, XXI, 357, XXIII, 249, 361; as food, XVIII, 107, XXIII, 277; observed, VIII, 316, XIV, 183, XV, 322, 327, XXII, 274, 299, XXIV, 23, 46, 56, 64; Indian totems, XIII, 125; Indians dislike, XXIII, 361; feathers, as amulet, 292, 293; as ornament, XXII, 224, XXIII, 260, 294, XXIV, 47, 49, 74.

Ravoux, Augustine, missionary, XXIX, 233.

Rawlings, —, in Georgetown (D. C.), XI, 123.

Ray, Thomas, founds town, XXVI, 251.

Ray County (Mo.), drainage, XIV, 165, XXII, 248.

Ray fish, habitat, XXIX, 93.

Raynal, Guillaume Thomas François, naturalist, XII, 296; description of New Mexico, XVIII, 374; sketch, 375.

Ray's town (Pa.), sketch, I, 240.

Razors, stolen, XIII, 257; as equipment, XXVIII, 302.

Reading (Mass.), Flint in, XVIII, 25.

Reading (Pa.), settlement at, IV, 28; post station, XXII, 128; population (1832), 130; emigrants from, IX, 299; Harris, III, 370; Muhlenburg, I, 21; Post, 180, 234; Weiser, 17; described, IX, 299, XXII, 130; sketch, IX, 299.

Real War Eagle (Heroche), Kansa warrior, XV, 99-105.

Reamy, —, in Ohio, IV, 257.

Reaves, L. U., *Saint Louis*, XXVI, 150.

Rebecca, maid-servant, XI, 225.

Recke, Johann Friedrich von, philological studies, XXIV, 208.

- Reclus, Elisée, *Earth and its Inhabitants*, XXVII, 111; *North America*, 111.
- Recollect missionaries, in Canada, XXVII, 35.
- Rector, Thomas, fights duel, XXVI, 115, 272.
- Rector, William H., in Oregon, XXX, 141; sketch, 141, 142; seeks horses, 148, 149.
- Rector, William V., United States surveyor-general, XIX, 63.
- Rectorsville (Mo.), location, XIV, 146.
- Redbank (Red Banks, Ky.), Cuming in, IV, 267; highway robbery, XI, 293. See also Henderson.
- Red-bird (cardinal, *loxia cardinalis*; Virginia nightingale), habitat, III, 63, 83, IV, 135, 149, 178, X, 291, XXVI, 355; numerous, IV, 135, XVI, 152; observed, XIII, 105, XIX, 139, XXII, 166, 190, 194, 195, XXIV, 111; described, X, 292.
- Red-bud (*cercis canadensis*), habitat, VI, 34; abundant, XXIV, 111; color, XIX, 133; time of flowering, XXII, 166; observed, X, 306, XIII, 129, 137, 148; described, XXII, 238, 249, 259, 264.
- Red Buffalo, Blackfoot chief, XXIII, 88.
- Red Church (La.), location, XIII, 313.
- Red Cloud (Lower Brulé) Indian agency, site, XXII, 313.
- Red Cray-fish Indians. See Chacchi-oumas.
- Redding (Conn.), Barlow in, XI, 136.
- Red Feather. See Ensyla.
- Red Fox. See Whowhylaugh.
- Red haws, as food, XIV, 275.
- Red-head, Indian name for William Clark, XIV, 243, 317.
- Red-head's Town, Indian name for St. Louis, XIV, 243.
- Red Jacket (Sagoyewatha), Seneca chief, XII, 49, 50.
- Redman, —, trapper, XXVIII, 237, 239.
- Red Mouse, Kaskaia chief, described, XVI, 110; relations with Long, 110-115.
- Red-poll, lesser (*fringilla linaria*), observed by Long, XV, 321, 326.
- Red River settlements, population, XXIX, 231.
- Red River Territory, organized, XIX, 64.
- Rock (Pierre Rouge), trading-post, II, 10, 87.
- Red-root (*ceanothus vaccinum*), character of, X, 309; observed by Maximilian, XXII, 99.
- Red-shield. See Ita-Widahki-Hisha.
- Red Spring (Wyo.), Palmer at, XXX, 66.
- Red-start, American (*muscipapa ruticilla*), observed by Long, XV, 319, 325.
- Redstone Old Fort (Pa.). See Brownsville.
- Red Wing (Minn.), site, XXVII, 43.
- Reed, Col. —, letter to Croghan, I, 163.
- Reed, Capt. Jacob, commands "General Pike," XXVI, 150.
- Reed, John, fur-trader, VI, 268; in Astoria, 268, 272, 274; expedition to interior, 284, VII, 214, 215; purchases horses, V, 231; on Snake River mountains, 233; Willamette River, VI, 281; expedition to New York, 274, 275, VII, 186, 187; accident to, VI, 275, VII, 187, 188; Indians

REED (continued) —

attack, VI, 337, 343; robbed, VII, 197; among Snakes, 239, 256, 265, 266; killed, 267; river named for, XXVIII, 318.

Reedsbury (Vt.), Evans in, VIII, 115.

Reeds, habitat, XXIV, 150; height, XXII, 189, XXIV, 20; abundant, XIX, 120, XXII, 80, 100, 190, 194, XXIV, 22, 23, 43; as fodder, IX, 49, XXII, 185; huts of, 178, XXIV, 39; arrows, XVIII, 164, 201, 376; *miegia*, XXII, 185; cane, XIX, 70.

Reeve, T. S., Presbyterian minister, XXX, 256.

Reeves, —, in Washington (Pa.), IV, 213, 214.

Reeves, Benjamin, road commissioner, XIX, 197.

Refugio (Mex.). See Matamoras.

Regnault. See Renault.

Regnier (Regner). See Reznér.

Reindeer, habitat, XIII, 262, XXIX, 209, 266; food, XXVIII, 159; abundant, XXIX, 250, 253, 254; hunted, 257; how hunted, 254; value, XXII, 382; as food, XXIX, 267; hair, shoes of, XXVIII, 157; skins, XXIX, 254.

"Reindeer," battle with "Wasp," VIII, 241.

Reinhart, Christian, in Lincoln (N. C.), III, 100.

Religion, general reflections, V, 313, VIII, 252, X, 124, 125, 158, 159, XXVI, 205-207, 252; in United States, XI, 115, XII, 123, 306-309; compared with England, X, 92, 93, XII, 115; among frontiersmen, 268, XIX, 12, 33, XXI, 228, XXVI, 204, 311, XXIX, 172; French settlers, XXVII, 48, 54; in Carolinas, XI, 98, XII, 82; Illinois, X, 107, 108, 117, 129, 144, 145, 155, 160, 318, 319, XXVI, 200, 203, 303, 307, 308, 336, 337; Indiana, XII, 240, XXII, 179, 180; Mexico, XVIII, 153, 154, 337, 353, XX, 37, 46, 47; Mississippi, IV, 352; Ohio, V, 289; Oregon, XXIX, 127, 128, 131, 139, 142, 143, 180-183, XXX, 299, 300; Pennsylvania, III, 169, IV, 65, 85; domestic devotions, XI, 87, 285, XII, 126, 154, 233, 234; public worship, IX, 155, XI, 55, 61, 83, 131; baptisms, XII, 79; mass, XXVI, 16, XXIX, 150, 151; festivals, XII, 300, XVIII, 147-149, 338, 339, 355, XX, 44; revivals, IX, 156, 299; camp-meetings, III, 249, 250, IX, 11, 257-264, X, 216, XII, 207, 208, XIV, 65, XXIV, 134; Sunday schools, VIII, 249, 250, XII, 76, XXI, 24; other instruction, XXII, 140, 165, XXVI, 204; journals, 14; money raised for, XII, 125; sectarianism, IX, 47, 54, X, 194, XII, 123, 293, XXVI, 165, 300, XXVII, 237, 238. See also Churches, Clergymen, Missions, Priests, and the several denominations.

Reliquia, carbonaceous, XIII, 208.

Remedies. See Diseases and Remedies.

Remsey, James, justice, XXVII, 79, 91.

Renard Indians. See Fox.

Renaudière, —, names river, XIV, 162.

Renault (Regnault), Philippe François, land grants to, IV, 266, XXVII, 42, 43; director of mines, XIV, 163, XXVI, 95, 105; village named for, XXVII, 92, 93.

Renfroe, —, in Clarksville (Tenn.), III, 84.

Rennel, Maj. James, on rapidity of rivers, XIV, 218.

Reno County (Kans.), Little Arkansas River in, XVI, 239; seat, 237.

Renselaerswyck (N. Y.), Dutch in, VIII, 89.

Rensselaer County (N. Y.), *Geological Survey*, XIV, 55.

- Renville, Joseph, partner of McKenzie, XXI, 45.
 Repentigny, — de, granted Sault Ste. Marie, II, 79.
 Reptiles, habitat, XVII, 146; numerous, IX, 314. See also Snakes.
 Repton, Humphrey, landscape gardener, X, 103.
 "Resolution," English brig, X, 180; passengers, 191, 223, 251, 252; amusements, 183-185; quarrels, 185; Sabbath observance, 181; speed, 184; accident to, 184; ferrets, 189; meteorological observations, 182; described, 180.
Retopore, described, XIV, 223.
 Reuff (Roof), Johann, near Fort Stanwix, XXIV, 184.
 Revelstoke (Oregon), site, XXIX, 42.
 Reymer, Capt. —, tavern-keeper, III, 172.
 Reynolds, Thomas, governor of Missouri, XIX, 181.
 Reynolds County (Mo.), rivers in, XVII, 37.
 Rezanof, Nikolai Petrovitch, exploration on Pacific Coast, XVIII, 283.
 Reznr (Regnier, Rizner), pioneer hunter, V, 98, 99, VII, 222; robbed, 266; killed, VI, 343, 344, VII, 267.
Rhamnus, *alaternus latifolius*, III, 62; *caroliniana*, 41, 62.
Rhexia, *mariana*, XXIX, 424; *virginica*, XVI, 185.
 Rhode Island, capital, XXII, 53; militia, X, 357; sheep culture, III, 246; Gray in, VI, 185; Green, IV, 122; Janson, XI, 126; King, XII, 51.
 Rhododendrons, habitat, III, 99, 283, 284, XIII, 40, 42, XIV, 53; height, XXII, 104, XXIX, 183, 184; beauty of blossoms, V, 280; scarcity of, XIII, 149, XXII, 166; *arborescens*, III, 57; *maximum*, 28, 47, 143, 148, XIV, 54, XXII, 99, 103, 152; *minus*, III, 57, 99.
Rhodora canadensis, observed by Maximilian, XXII, 99.
Rhus, new species, XIII, 241; *copallinum*, XIV, 156; *cotinus*, XIII, 241; *foliis alatis dioique*, III, 65; *glabra*, 29, XIV, 107, 156; *pumila*, III, 101; *toxicodendron*, XV, 295; *typhina*, III, 29; *vernix*, 29.
 Riall, Sir Phineas, in War of 1812-15, VIII, 175, 182.
Ribes aureum, observed by Bradbury, V, 318.
 Ricara (Rickara, Rikasree) Indians. See Arikara.
 Rice, —, Tennessee lawyer, III, 97.
 Rice, Luther, sketch, XII, 53.
 Rice, quality of soil adapted to, XIII, 170; cultivated, III, 303, IV, 297, 368, VIII, 304, 312, XI, 235, XIII, 107, 141, 166, XIX, 219; quality, XXVIII, 154; article of trade, XXI, 57, 64, XXIX, 60; imported, IV, 352; exported, IX, 266; Charleston market, III, 123; value compared with cotton, 303; prices, XI, 102, XIII, 317; as supply, VI, 287, XXIX, 169, XXX, 260; as food, XI, 47, 75, XIX, 189, XXIV, 76; wild (*zizania aquatica*; Fr. *folle avoine*), II, 95, 98, 99, 112, 113, 118, 147, 155, 183, 198, VI, 384, XXVIII, 154, 155.
 Rice-birds (*emberiza* or *fringilla oryzivora*), habitat, XXIV, 150; food, XVI, 230; habits, XXIII, 35; Long observes, XV, 321, 326.
 Rice Indians. See Arikara.
 Rice County (Kans.), boundary, XVI, 239; streams in, 237, XIX, 207.
 Richard, —, translator, III, 19.

- Richard, Capt. —, at Fort Blount, III, 97.
- Richard, Pierre, in Kaskaskia (Ill.), III, 78.
- Richards, —, fur-trader, XIII, 138.
- Richardson, Alfred Talbot, editor, XXVI, 18.
- Richardson, Amos, hunter, V, 196, 197; among Arikara, 172; with Bradbury, 179, 183.
- Richardson, Andrew, Pittsburg physician, IV, 79, 87.
- Richardson, Dr. Ernest C., aid acknowledged, I, 14.
- Richardson, J. D., *Messages and Papers of the Presidents*, XXI, 21.
- Richardson, Sir John, representation of grey butcher-bird, XXII, 330, 331; squirrel, 385; *Fauna Boreali Americana*, XXIII, 68, 69, 245; sketch, 69.
- Richardson, Paul, hunter, XXI, 166-169, 185, 211-214, 237, 238, 245, 264; expert marksman, 205; leads brigade, XXVIII, 274-276; number in party, XXI, 212, 264; Americans among, XXVIII, 364; supplies and equipment, XXI, 213, 216, 223, 224, 266; encampments, 210, 216, 223, 224; distances travelled, 212, 213; meets McKay, 213; search for pass, 240; camp fire stories, 221-223; adventure with Blackfeet, 214, 222, 223; Oto, 153, 154; Nez Percés, 219; Snake, 255, 256; sufferings, 169-171; described, 152-155.
- Richfield (N. Y.), Evans in, VIII, 125.
- Richland County (Ohio), Flint in, IX, 298.
- Richmond, —, in Philadelphia, XI, 68; Charleston (S. C.), 70.
- Richmond, J. P., in Nisqually mission, XXVII, 388.
- "Richmond" mines, owned by Louis Labaume, V, 250, 251.
- Richmond (Mass.), primitive limestone in, XVII, 248.
- Richmond (Va.), capital, III, 226; legislature, IV, 71; town named for, IX, 148; market, III, 266, 270, VIII, 269, 304, 339; Burr's trial, IV, 127, 320; Allen in, 146; Cummins, 350; Graham, 140; Russell, 181.
- Richmont (Pa.), Maximilian in, XXII, 91.
- Ricinus palma christi*, described, XVI, 186, XVII, 83.
- Ricotia*, habitat, XIII, 193.
- Rider, —, in North Carolina, III, 99.
- Ridgeway, —, publisher, X, 166, XI, 270.
- Ridgway, James, in London, I, 295.
- Rifles. See Weapons.
- Rigault, Pierre François. See Vaudreuil.
- Rigdon, Sidney, Mormon publisher, XXVIII, 52; activities, XXVI, 358, 359.
- Riggs, Cynthia, housekeeper, IV, 157.
- Riley, Maj. Bennett, escorts Santa Fé caravan, XIX, 185-190; expedition to Pawnee, XV, 140; robbed by Indians, XIX, 226; in Fort Leavenworth, XXII, 253; report, XIX, 186, 232; sketch, XV, 140, XIX, 185.
- Riley, Isaac W., *Founder of Mormonism*, XXIV, 120, XXVI, 335.
- Riley, James, sketch, XVIII, 27, 28.
- Riley County (Kans.), boundary, XIV, 185.
- Rincon (N. Mex.), railway station, XX, 152.

- Rinconada (Mex.), Willard in, XVIII, 361.
- Rio-Abajo (N. Mex.), Armijo in, XIX, 276.
- Rio Arriba County (N. Mex.), settlements in, XIX, 303; Jicarrillas in, XX, 70.
- Rios, Capt. Francisco, in St. Louis, XXVI, 148.
- Ripey, Col. —, in Shippensburg (Pa.), III, 140.
- Ripid Indians, unknown to Maximilian, XXIII, 90.
- Ripley (Ohio), population, X, 233; Maximilian in, XXII, 154; Woods, X, 233.
- Ripley County (Mo.), rivers in, XVII, 37.
- Ripoli, Padre, in San Buenaventura, XVIII, 279.
- Rising Sun (Ind.), population, XXIV, 142; site, IX, 158, XIX, 68, XXIV, 142; Nuttall in, XIII, 62.
- Risley, Orville, sketch, XXX, 51.
- Rittenhouse, David, scientist, III, 51, 333, IX, 54; president of American Philosophical Society, 55; sketch, III, 51, IX, 56.
- Rittersville (Ky.), founded by Brooks, IV, 169.
- RIVERS: in general, confusion in nomenclature, XVI, 181; mistakes of geographers, XVII, 79, 80; comparisons, III, 224, XXII, 93, 245, XXX, 186; stimulate commerce, III, 123, 161; favor population, 161, IV, 12, 13; highway robbery on, 268; scenery, XIX, 133; dry, XVI, 101, 121, XVIII, 128; Tennessee, III, 256, 257; Western geological formation, XXVII, 107; character, XXVI, 110, 111, XXVIII, 153, XXIX, 89, XXX, 292; freshets, XIX, 35; navigation, VIII, 10, XXVI, 13, 60, 61; improvements, 57, 93.
- Abrazo. See Brazos, below.
- Alabama, VIII, 308; location, 312; branches, 294; junction with Tombigbee, XVII, 188, 238, 246, 247; as a boundary, 237.
- Albany, tributaries, II, 123; fort on, 163.
- Allegheny, location, VIII, 258; source, III, 162, VIII, 244, XIV, 56, XVII, 12; bed, XIV, 51; character of water, III, 163, 241, 341, IX, 90, X, 38; width, III, 340, XIII, 41; tributaries, I, 25, III, 162, VIII, 246, XXI, 40; falls, VIII, 246; islands, I, 247; rapids, VIII, 51, 246; junction with French Creek, I, 102; Kiskiminitas, 246; Ohio, IV, 92; Monongahela, III, 156, 341, IV, 91, IX, 90, X, 217, XIV, 56, XIX, 25, XXI, 37, XXII, 139, XXVII, 91; fish in, III, 189, IV, 91; ice, IX, 151; animals, XIV, 45; plants, 61; springs, 57; trees, IX, 163, 256; portages, XIV, 56; bridges, X, 217, XII, 19, XIII, 45, XIX, 28, XXII, 140; navigation, III, 162, IV, 91, VIII, 48, 51, 52, 245, 246; Indians, I, 24, 211, 278, VIII, 55, IX, 84, XIV, 54, XXIV, 153; French, I, 12, IV, 242, XXVII, 91; emigrant highway, VIII, 10, 57, IX, 97, XIV, 59; commercial highway, III, 339, VIII, 249; settlements on, III, 32, 158, 163, 334, XIX, 28; Pittsburg, VIII, 248, IX, 82, X, 36; arsenal, XIV, 43; forts, III, 32, IV, 99, 243, 244, VIII, 247, XIX, 28, XXVII, 75; Buttrick, VIII, 10, 50, 53, 56; Croghan, I, 49, 51, 228; Evans, VIII, 12; Hays, I, 244, 245; Long, XIV, 44; Post, I, 247; Weiser, 23; described, III, 338-341, IV, 75, 76, 88, 89, 241, 249, 252-255, VIII, 245-247, IX, 83; population on, IV, 91; compared with White River, VI, 147.
- Alsea, sketch, XXX, 176.
- Anderson, Indians on, XXIX, 232; Cumming, IV, 265; described, XIX, 67.
- Apalachicola, VIII, 308; fossil from, IV, 121; Scott on, VIII, 51.
- Aquetoyac, natural bridge on, XVIII, 378.
- Arcs-à-plats. See Kootenai, below.

RIVERS (continued) —

Arkansas (Arkansa, Rio Napeste), XIII, 89, 242, 297; location, 127, 145, XVII, 83; as a boundary, XIII, 133, 177, 306, XIV, 158, XVI, 142, 171, XVII, 38, 104, 120, 122, 124, 135, 149, 190, 221, XIX, 49, 197, 198, 217, 219, 240, XX, 234, 242, XXII, 305, XXVI, 73, XXVIII, 121, 122, 125, 126, 187, 190, 196, 199, 213, 227, 304; formerly Ozark, XVII, 176; origin of name, XIII, 121; affluent of Mississippi, IV, 299, VI, 157, XIII, 293, XXVI, 109; source, VI, 155, XVI, 33, 37, 76, XVII, 150, 256, XVIII, 143, 332, 340, XXVII, 224, XXVIII, 37, 111, 150, 191, 306; size, XIII, 272, XVII, 129; mouth, 27, XXVIII, 193, 198, 234; bed, XVI, 183, 290, XVII, 171; channel, XIII, 165; course, 100, 130, 140, 141, 143, 144, 146, 153, 288-290, XVI, 32, 248, 250, 252, XVII, 36, 179, 216, XXVIII, 173, 187; current, XIII, 100, 128, 156, 173, 194, 202, 230, 231, 289; width, IV, 299, V, 191, XIII, 173, 241; depth, 99, 173, 200, 201, 203, 274, 288, 291, 294, XVII, 82; character of water, XIII, 167; color, V, 91, XIII, 200, 201, 230, 231, 234, 274, XVI, 157, 175, 224, 264, XVII, 142; saline properties, XVI, 248, XVII, 214; drainage, XIII, 142, XVII, 27, XXVIII, 109; watershed, XIII, 225, XV, 305, XVI, 230, XVII, 138, XVIII, 12, 61, XXIII, 244, XXVIII, 193; tributaries, V, 242, XIII, 104, 128, 167, 171, 193-195, 197, 207, 231, 232, 234, 263, 264, XIV, 17, 23, 144, 222, XV, 281, 305, XVI, 33, 52, 62, 64, 74, 85, 157, 175, 180, 181, 187, 188, 191, 227, 229, 237, 240, 243, 246, 251, 254, 261, 262, 274, 282, 284, 285, XVII, 25, 26, 29, 51, 65, 100, 123-125, 204, XVIII, 65, 334, XIX, 15, XXI, 54, XXVIII, 70, 78, 81, 186-189; Boiling Spring Fork, XV, 312, XVI, 26; Canadian, XVII, 36, 201, 215; Colorado, XIX, 249; Poteau, XVI, 189; Verdigris, V, 191, XIII, 235, XVII, 155; White, XIII, 99; freshets, 101, 102, 105, 110, 111, 141, 144, 149, 150, 169; island in, XIX, 185; quicksands, XX, 155; rapids, XIII, 196, 232, 233; sandbars, 136, 137, 143, XVI, 252; topography, XVII, 122, 123; geological formation, XIII, 148, 158, 170-173, 178, 194, 196, 197, 201, 228, 229, 233, 265, 287, XVI, 35, 67, XVII, 218, 225, 245; coal beds, 217; gypsum, 142; petrosilex, 222, 227; silver, V, 243, 244; salt deposits, 241, 242, VI, 151, XIII, 246, 286, XIV, 190, XVI, 286, XVII, 144; Grand Saline, V, 192, XX, 246-248; fish, XXVIII, 74, 184; beaver, XV, 220; bison, 248, XVI, 211; elk and deer, XX, 275; horses, XV, 215, XX, 260; panthers, XIII, 210; rattlesnakes, XIX, 215; plants, XV, 187, 188, 311, XVI, 44, 86, 89, 176, 177; timber, XVII, 63, 78, XX, 218, 256; bow-wood, XXII, 186, cottonwood, XVI, 178; pawpaws, 184; tulip-wood, XIII, 104; yellow-wood, V, 170, XXIII, 119; character of country, XVII, 35, 207, XVIII, 329, 330, XXVIII, 174; bottoms, XIII, 155, XVI, 54, XVII, 85, XX, 254; deserts, XV, 311; hills, VI, 155, XXVIII, 213; mountains, XIII, 209, XVI, 183; plains, VI, 67, XVI, 159, XVII, 140, 190, 215, XXVIII, 102-107, 209, 212; country described, V, 193, 194, XIII, 99-101, 139, 141, 146-149, 152, 153, 156, 157, 171, 174, 178, 180, 195-197, 201, 228, 230, 234, 263, 264, 266, 273, 274, 276, 281, 288, 293, XVI, 36, 65, 136, 227-229, 231, 240, 242-246, 249, 252, 253, 256, 258, 260, XVII, 14, 42, XVIII, 332; Great Bend, V, 151, 184, 185, XIV, 17, XVI, 225, 229, 230, 237, 243, XIX, 209, XXVIII, 76; Royal Gorge, IX, 165, XIV, 15, XVI, 34, 44, XXVIII, 223; climate, XIII, 142, 143; unhealthy, XVI, 190, XVII, 82; diseases, XIII, 280, XVI, 132, XVII, 24; earthquakes, XIII, 181; harbor, 157; fords, XIX, 818, XX, 92, 93, XXVIII, 11, 97; roads, XVIII, 73, XIX, 178, XX, 91-93, XXVIII, 11, XXX, 45; explorations, VIII, 280, 317, XIII, 12, 237, XIV, 11, 16, 21, XV, 189, XVI, 85, XVIII, 329; Jolliet and Marquette, XIV, 96, XIX, 45, 47; La Salle, XIII, 117; Nicollet, XXVII, 190; Tonti, IV, 298, XIII, 111; navigation, IV, 299, V, 211, 266, XIII, 108, 109, 174, 194, 233, 280, 288, XVII, 83, 129, 130; Indians on, IV, 298, V, 50, XIII, 105, XIV, 233, XV, 135, 212, 237, 282, XVI, 56, 163, 211, XIX, 185; Arikara, XV, 219; Arkansas, XIII, 122; Cherokee, III, 153, XIII, 174, 177, 191, 280, XVII, 15, 17, 19, 21, 24; Choctaw, XIII, 305, XXVIII, 138; Creek, XX, 136; Delawares, XIII, 193; Kansa, XXII, 252; Kaskaia, XVI, 55, 117; Kiowa, XV, 157; Osage, XIII, 207, 281, 282, XVI, 281, XXII, 249, XXIV, 296; Ozark, XIII, 96; Pawnee, XV, 158; Quapaw, XIII, 119, 132; Shawnee, XX, 84; Americans, IX, 323, XIX, 184; French half-breeds, XIII, 111; pirates, 295, 296; Texans, XX, 229, 230, 235; fur-traders, XIV, 243, XV, 282, XIX, 187, XX, 93; hunters, XIV, 225, XV, 274; commerce, XIII, 106; merchants, 106; manufactures, 161, 169; forts, 359, XVI, 32, XXVI, 176, XXVIII, 71, 161, 229; Fort Bent, XIV, 22,

XX, 138, XXVIII, 100; Fort Gibson, XIX, 161; Fort Smith, XVII, 83; settlements, XIII, 107, 135, 140, 144, 157, 197, XVI, 256, XVII, 32, 51, 100, 101, 127, 128; Belle Point, XV, 190, XVII, 101; Derdonai, 43; Little Rock, 55, 58, 80, 227, 235; Bell on, XVI, 58, 228, 251, 265; Bradbury, V, 10, 36, 197; Farnham, XXVIII, 15, 75-79, 96, 97, 184; Frémont, XVI, 191; Gregg, XIX, 208, 218, XX, 101, 107, 218, 292; James, XVI, 20, 32, XVII, 12, 42; Long, IX, 165, XIV, 13, 15, 23, 37, XV, 307, XVI, 30, 31, 42, 43, 52, 56-58, 63-65, 150, XVII, 18, 27, 99; Nuttall, XIII, 13, 14, 97-101, 127, 131, 221, 263, 271, 274, 276, XXII, 9; Pattie, XVIII, 14, 142, 143; Pike, XV, 193, XVI, 230, XIX, 175; other travellers and explorers, V, 190, 193, VI, 61, XVI, 58, XVIII, 63, 65, 335, XIX, 177, 179, 180, 216, 236, 238, XX, 233, 244, XXIV, 147; astronomical observations, XVII, 258, 259, 262; thermometrical, XIII, 148, 180, 196, 200; surveys, 162; resembles Ohio, 196; mistaken for Red, XVI, 34; compared with White, XVII, 26, 27; described, VIII, 317, IX, 188, XIII, 99, 102, 103, 130, XVI, 62, 44, 63, 183, 218, 291, XVII, 139-141, XVIII, 71, 142, 335, XIX, 63, 208, 209, XX, 251, XXVIII, 47, 79, 116, 117, 185, 189, 192.

Arrow, identified, XXIII, 71. See also Big Horn, below.

Arrowstone, De Smet on, XXIX, 341.

Ashley, confluence with Cooper, III, 121; described, XI, 73.

Assiniboin, II, 168; location, XXIX, 252; as a boundary, XVII, 175, XXII, 387, XXIII, 14, 191; La Vérendrye, 253; fur trade, V, 114, 225; settlement, VI, 379; fort, 32.

Atchafalaya, expansion into Lake Atchafalaya, XVII, 60.

Athabasca, source, XXIX, 252, 256, 258; outlet, 263; tributaries, VI, 364, 365, XXIX, 252, 260, 261; coal on, 229; Assiniboin, 220; trading-post, VI, 355, 356, XXIX, 248; mission, 231; North West brigade, VI, 365; De Smet, XXIX, 260; "Great Crossing," 260; described, VI, 354, XXIX, 251.

Aughquaga, Aughquagas on, I, 167.

Auglaize, Fort Defiance on, VIII, 207; Croghan, I, 151.

Auxvase. See Big Muddy, below.

Aux Trembles. See Big Muddy, below.

Des Avirons, breadth, XXIX, 251.

Bad. See Teton, below.

Bad Spirit, branch of Missouri, VI, 165.

Bartholomew (Barthelemi), described, XVII, 59, 60.

Bear, on Oregon trail, XXX, 77, 279, 280; watershed, XXVIII, 288, XXX, 75, 76; course, 83, 86; outlet, XXI, 199; tributaries, 197, 204, XXX, 76, 77; springs near, XXVII, 236, XXVIII, 297; Soda Springs, XXI, 200, 209; crossings, XXX, 77; roads, XXVII, 242; country described, XXI, 199, XXVII, 247, 248; Indians on, XXX, 87; De Smet, XXVII, 244, 248; Wyeth, XXI, 198; described, 198, XXVIII, 294; sketch, XXI, 199.

Beaver, on Santa Fé trail, named, XVIII, 99; Pattie on, 99-105, 111, 181, 184; described, 100-104.

Beaver (Can.), portage, VI, 367; trading-post, 295.

Beaverhead, Flatheads on, XXVII, 327; De Smet, 228, 250.

Beech Fork, A. Michaux on, III, 88, 91; Smith, 89.

Belly, junction with Bow River, XXIX, 218.

Berger (Rivière à). See Creeks: Berger.

Berland, breadth, XXIX, 251.

RIVERS (continued)—

- Biche (Little Red Elk), outlet, VI, 366; described, 365; sketch, XXIX, 226.
- Big, sources, XVII, 36; Hunt on, V, 229; sketch, XVII, 36.
- Big Barren, width, III, 216; ferry, 64; confluence with Green, XXVI, 65; settlements, III, 221; A. Michaux on, 92; F. A. Michaux, 220.
- Big Bear, trail, XXX, 72; Indians on, 247.
- Big Beaver (Warecore, Warreconne, Warrican), width, VI, 166; Indians on, XXVII, 161.
- Big Black, location, VIII, 312, XVII, 122; Mississippi affluent, IV, 308; sources, XVII, 125; width, IV, 308; settlements on, XVII, 127; as a boundary, XIII, 299.
- Big Blue, Ohio tributary, described, X, 246, XIX, 67.
- Big Blue (Blue Earth, Blue Water), Missouri tributary, XXVII, 228; location, XIV, 186; sources, XVII, 124; tributaries, XXVII, 198; width, VI, 165; on Oregon trail, XXI, 49, XXX, 277; Indians on, XIV, 184; hunting, 272; De Smet, XXVII, 228; Farnham, XXVIII, 53; Say, XIV, 183; Wyeth, XXI, 142; described, XVII, 126, XXII, 250; sketch, XIV, 184, 185.
- Big Bone, De Smet on, XXVII, 228.
- Big Brown, MacFaddin on, III, 86.
- Big Calumet (Kenomic), head, XIX, 67.
- Big Cheyenne, sources, XXIV, 103; mouth, 88.
- Big Chickey, Cumming at, IV, 34; Harris, III, 370.
- Big Dry, mouth, XXIII, 48, 184; sketch, 48.
- Big Guyandotte, Flint on, IX, 112.
- Big Hockhocking, navigation on, IV, 130, 131.
- Big Hole (Wisdom), Clark on, XXVII, 380; De Smet, 228.
- Big Horn (Arrow, Bighorn, Judith, Mad, Wind, Fr: *La grosse Corne*; Ind: *Ichpoatassa*), as a boundary, XXIII, 77; names, V, 229, XXIII, 71; Yellowstone affluent, XXII, 374; mouth, 353, XXIII, 67, 70, 173; mountains on, XXI, 188; road, XXIX, 30; Indians, XXII, 352, XXIII, 60, 71; fort, V, 47, XXIII, 87, 189; caches, VI, 273; pasture, XXII, 352; Astorians, VI, 269, 270, VII, 125; Campbell, XXIII, 198; De Smet, XXVII, 145, 228, XXIX, 350; Hunt, V, 229, 230; Maximilian, XXIII, 136; Pattie, XVIII, 14, 141; Wyeth, XXI, 11; sketch, XVIII, 141, XXVII, 146.
- Big Kanawha. See Great Kanawha, below.
- Big Kenomic. See Big Calumet, above.
- Big Knife, mouth, XXII, 344; trading-post on, V, 137, XXIX, 233.
- Big Miami, mouth, XIX, 67, XXII, 155; as a boundary, IV, 257; described, X, 238, XVII, 109.
- Big Muddy (Au Vaise, Vase, Vaseau, Auxvase, Muddy), Mississippi affluent, X, 269; location, XIV, 95, 137; stratification, 97; Long on, 137; described, XIX, 54, XXVI, 88; sketch, 88.
- Big Muddy (Aux Trembles, Martha, Muddy), Missouri affluent, identified, XXIII, 29, 33; location, XXX, 279; width, VI, 164; mouth, XXVI, 89; trading-post on, XXIV, 49; sketch, XXIII, 29. See also Ham's Fork, and Muddy, below.
- Big Nemaha. See Nemaha, below.
- Big Platte. See Platte, below.
- Big Sandy (Sandy), IV, 155, 156; Ohio affluent, V, 273, VIII, 263; location, 276; as a boundary, III, 222, VIII, 262, 265, XIX, 31, 94; manufactures on, IV, 186; Croghan, I, 133; Flint, IX, 112; French, III, 184; described, X, 229, XVII, 105, 106; sketch, XXII, 154.

Big Sandy, tributary of Bill Williams's Fork, XVIII, 136.

Big Sandy (Quicksand, Sandy), Columbia affluent, VI, 248; named, VII, 119, 179, XXX, 134; source, 134; on Oregon trail, 72, 155, 247, 277, 279; affluents, 71; as a boundary, 206; Astorians on, VII, 118; De Smet, XXVII, 242; Palmer, XXX, 72, 153, 206; described, 152; sketch, 134.

Big Scioto. See Scioto, below.

Big Sioux (Calumet), as boundary, VI, 85, XXII, 266, 268, 278, 279, 305, XXIV, 315; width, VI, 165; mouth, XXIV, 104; pipe-clay on, XXII, 321, XXVII, 227; Sioux on, V, 90; described, VI, 85, 86.

Big Tarkio, branch of Missouri, VI, 72.

Big Vermilion (Rejoicing, Rejounissance), location, X, 269, 270, XIX, 66.

Big Vermilion, on Oregon trail, XXX, 277.

Big Wabash. See Wabash, below.

Big Wood. See Boise, below.

Bill Williams's Fork, sketch, XVIII, 136.

Bitter Cottonwood, on Oregon trail, XXX, 278.

Bitterroot (St. Mary's), named, XXVII, 281, 333; source, 380; affluents, 332, 360; spring on, 253; Indians, 229, 323, XXIX, 272; mission, XXVII, 281, 282; De Smet, 380, XXIX, 309; Lewis and Clark, XVIII, 142, XXVII, 300; sketch, 281.

Black (Salt), Gila affluent, sketch, XVIII, 130.

Black (La.), Natchez Indians on, XIII, 303.

Black (Rivière Noire, Mo.), sources, XVII, 36, 37, 39, 40; size, 37; tributaries, 34, 35, 37; junction with White, 26, 28; with Red, 62; quality of soil, 63; navigation, 130; Indians, 37; described, 60, 61.

Black (N. Y.), Fort Oswegatchie on, II, 46.

Black (Ohio), location, VIII, 231, 329, XXII, 191; head, XIX, 67; quality of soil, VIII, 180; road, XI, 251; Evans on, VIII, 182; Hulme, X, 52; described, 52, XXII, 192.

Blackfoot, affluents, XXI, 210; mouth, XXIX, 340; Wyeth on, XXI, 208; described, 204.

Black Fork, affluent of Green, XXI, 197, XXX, 297; source, 74; tributaries, 75; sketch, 73.

Black-lake, alluvial, XVII, 238.

Blackrobe. See Priest, below.

Black Vermillion, location, XXVII, 198; De Smet on, 228.

Blackwater, Indians on, XXIX, 182.

Blue (Ark.), described, XVII, 78.

Blue (Colo.), mouth, XXVIII, 225; mines on, 218; Wyeth, XXI, 156; sketch, 215.

Blue (Ind.), width, IV, 261; mines on, XIV, 76; manufactures, IV, 262; Cumings, 263; Palmer, XXX, 30; sketch, 30.

Blue Earth. See Big Blue, above, and Minnesota, below.

Blue Water. See Big Blue, above.

Au Bœuf. See Creeks: Buffalo.

Boggy (Vaseux, Vaseau), sources, XVI, 175; Indians on, 95; described, XVII, 78, 79.

Boiling Spring, as a boundary, XV, 312.

Boise (Big Wood, Bosais, Reed), on Oregon trail, XXX, 281; named, 64; mouth, XXVIII,

RIVERS: *Boise* (continued)—

318, 322; trading-post, VII, 214, XXX, 98, 295, 321; De Smet on, XXVII, 227; Dorion, V, 38; Wyeth, XXI, 251; described, 249, XXVIII, 315-318, XXX, 98; sketch, XXI, 249.

Bonhomme, tributary of Missouri, XXVII, 228; settlements on, XV, 170; James, 168; described, XVII, 126.

Bonne Femme, tributary of Missouri, XXVII, 228; location, V, 51; mouth, XXII, 244; Brackenridge on, VI, 40, 46.

Bonnet de Bœuf, origin of name, XXII, 245, 246.

Bonpas, branch of Wabash, X, 104; location, 104, 105; as a boundary, 271; timber on, 259; cattle, 336; navigation, XII, 257; settlements, X, 259, 328, 349; Woods on, 255, 263, 264, 315.

Boucane. See Smoky, below.

Boulder, De Smet on, XXIX, 341.

Boulet. See Cannonball, below.

Bourbeuse. See Muddy, below.

Bourbon. See Saskatchewan, below.

Bow (des Arcs), road, XXIX, 216; Indian reservation, 221; sketch, 218.

Boyer. See Creeks: Bowyer.

Brand, width, VI, 50.

Bravo. See Rio Grande, below.

Brazos (Abrazo, Brasos, Brazeau), as a boundary, XVI, 142, XX, 250, 254, XXVIII, 122, 150; sources, XVII, 148, XX, 239, XXIX, 252; drainage, XXVIII, 109; mouth, XIV, 97; Indians on, XVI, 105, 117, XVII, 156; Austin, XVIII, 366, 368; Arkansas expedition, XX, 225, 226; described, XVI, 105, XXVIII, 115.

Bruette, tributary of Wabash, XIX, 66.

Brulé. See Burnt, below.

Buffalo, tributary of Missouri, XXVII, 228; trappers on, VII, 215.

Burnt (Brulé), on Oregon trail, XXX, 281; sources, XXI, 267; grass on, XXX, 249; trail, 102; Indians on, V, 110, XXI, 267; Farnham, XXVIII, 324; described, XXX, 102, 103.

Bushkill, described by Maximilian, XXII, 90.

Buttlemulemauch. See Methow, below.

Cabin Pole, De Smet on, XXVII, 228.

Cache (Cash), as a boundary, XXII, 204; location, XIX, 55; bottoms on, XVII, 92; copper, 232; as a harbor, XIV, 87; settlements, IV, 278, 279; sketch, XIV, 84.

Cache la Poudre, hills, XV, 252; Long on, 274.

Cadeau, settlements on, XVII, 127; described, 53, 124.

Cadron, hills, XIII, 156; Nuttall on, 127.

Calumet, location, VIII, 285; Wabash tributary, XIX, 66; fort on, VIII, 265, XIX, 36; portage, VIII, 291. See also Big Sioux, above.

Camp Fort, confluence with Saline, XIV, 163.

Canadian (Canada), names, XVI, 106, XVII, 80; as a boundary, XIII, 132, 133, 207, XIV, 222, XVI, 243, XVII, 190, 238, XX, 239, 254, XXVIII, 122, 126, 128; tributary of Arkansas, V, 242, XIII, 231, XIV, 16, 23, XVII, 36, 215; size, XIII, 264; sources, XVI, 80, XVII, 65, 79, 100, 136, 256, XIX, 175;

course, XVI, 138, 142, XVII, 36, XX, 114, 116-118, 136; Great North Bend, 117; channel, 133; bed, XVII, 78; width, XVI, 125, 127, 176; quantity of water, 148, XVII, 34; mouth, XVII, 120, XX, 101; color, XVI, 157, 174; tributaries, XIII, 265, XVI, 80, 85, 165, 166, 170, 174, 175, XVII, 78, XIX, 248, 249, 252, XX, 89, 213, 217, 258, 275, XXI, 54; topography, XVII, 123; country described, XX, 217, 218; divide, XVI, 152, XX, 216, 218; cañon, 240, 241; plains, XVII, 140, 190; slope, 179; animals on, XVI, 272; coal, XVII, 217; gypsum, XVI, 142, XVII, 212; plaster of paris, XX, 242; rocks, XVI, 175, XVII, 201, 204, 206, 211, 215, 218; salt, XIII, 232, 246, XX, 247; timber, XVI, 171, XX, 255, 256; crossings, 235; roads, 109, 134; Indians on, XIII, 271, 305, XIV, 233, XVI, 163, XX, 70, XXVIII, 130; traders, XX, 222, XXII, 336; exploration, XIV, 21, 22, 24; navigation, XVI, 179; Boone on, XX, 244; Chambers, XIX, 216; Gregg, XV, 232, XX, 102, 107, 115, 128, 139, 205, 211, 217, 225; Long, XIV, 16, 23, XVI, 136, 181, 191, XVII, 100; astronomical observations, 260-262; described, XVI, 142, 162, 172, 173, 176, XVII, 34, 132, 141-144, XX, 212, 213; sketch, XIII, 231. See also Red, below.

Cane. See Knife, below.

Caney Fork, Indian relics on, XXII, 221.

Cannonball (Le Boulet), location, XXII, 337; tributary of Missouri, XXVII, 226; source, XXII, 338; course, XXIV, 87; width, V, 146, VI, 166; mouth, XXII, 367, XXIV, 86; geological formation, XXIII, 55, 56; plants on, V, 318; trading-post, XXIII, 225; Medicine Stone, 339; Bradbury, V, 145, 168; sketch, 145.

Canoe, location, XXIX, 265; tributary of Columbia, 267; origin of name, VI, 350; source, XXIX, 80; mouth, 42, 78; North West brigade on, VI, 351, 352; sketch, 350.

Cape Fear, bison on, XV, 245.

Carmelo, mission on, XVIII, 281.

Carmen, outlet, XX, 158; described, 159.

Cart. See Deer Lodge, below.

Casas Grande, Hanas on, XVIII, 144.

Cash. See Cache, above.

Cassiquiare, rapidity of current, XIV, 218.

Castleman, branch of Youghiogheny, III, 333.

Au Castor. See Creeks: Beaver.

Cataraqui, as commercial highway, II, 49.

Catawba, width, III, 286, 295; ferry, 54; A. Michaux on, 48, 54, 55, 101; F. A. Michaux, 286, 295.

Cathlatate, identified, XXIX, 79.

Cedar, tributary of Missouri, XXVII, 227.

Cerwercerna. See Moreau, below.

Chama, mouth, XVIII, 78; Indians on, 75

Chaplain Fork, road, III, 213.

Chariton (Chareton, Charlatan, Charlaten, Charlaton, Charleton, Charliton, Charlotte, Chératon), origin of name, XIV, 158; as a boundary, XVII, 119; location, XIV, 168, 169, XXVII, 227; Missouri tributary, 228; width, VI, 164; mouth, XVIII, 37, XXII, 244; Brackenridge on, VI, 48; Bradbury, V, 44; described, XIV, 159.

Charlotte's Fork, Palmer's party on, XXX, 98.

Charon, Evans on, VIII, 202.

RIVERS (continued)—

Chartier (Chattier, Shirtee), location, III, 347, IV, 93, 239, 253, VIII, 262; Indians on, I, 25; F. A. Michaux, III, 169; described, XXII, 145.

Chattahoochee, Indian town on, II, 43.

Chéat, Monongahela branch, III, 161; width, 335; portage, 336.

Chehalis (Chikeelis, Shahalam, Shahales), location, XXIX, 121; drainage, XXX, 295; tributaries, 169, 170; harbor, 212, 294; fort, 295; described, XXIX, 81, XXX, 169, 213; sketch, XXIX, 81.

Chelan (Tsillane), sketch, VII, 149.

Chemin. See Creeks: Trail.

Cherokee. See Tennessee, below.

Cheyenne (Chayenne, Chien), as a boundary, XXIV, 44, 90; Missouri affluent, XXII, 342; source, XV, 252, XVII, 193, XXII, 352; course, XXIV, 87; mouth, XXIII, 237; width, V, 125, VI, 166; hills on, V, 123; plants, 319, 320; navigation, 126, XXVII, 226; Indians, V, 114, 127, 139, XVI, 211, XVII, 156, 157, XXIV, 221, XXVII, 161; Brackenridge, VI, 108, 147; astronomical observations, 166; described, V, 183, 184; sketch, 126.

Cheyenne, affluent of Red, XXII, 342; mouth, 332.

Chicago, location, VIII, 233; portage, 291, XIX, 54; mouth, IX, 186; Fort Dearborn on, VIII, 233.

Chilcotin, sketch, XXIX, 81.

Chogage, identified, I, 105.

Churchill, branch, VI, 367; portage, XVII, 239.

Cimarron (Grand Saline, Negracka, Nesuketonga, Newsewketonga, Red, Salt Fork of Arkansas, Semirone), as a boundary, XIX, 219, XX, 255; names, XIII, 263, XVI, 243; tributary of Arkansas, V, 242, XIII, 263, XIV, 17, 23, XXVIII, 116; sources, XX, 276; tributaries, XIX, 224, XX, 258; color, XVI, 157; geological composition, 79, 80; timber, XX, 256; plains, XIX, 179, 234; salines, V, 193, 194, XIII, 147, XVI, 248, XX, 244, 245, 247; buffalo, 269; trails, XVI, 230, XIX, 229, 236, 253, XX, 91, XXVIII, 97; Indians, XVII, 151, XIX, 221; traders, 182-184; camping sites, 232, XX, 90, 93; Becknell, XIX, 179; Bell, XVI, 243, 251, 265; Gregg, XIX, 222, 224-226, 229, 239; Long, XIV, 16; Nuttall, XIII, 13, 175, 263, 271; Pratte, XVIII, 73; Smith, XIX, 237; Sublette, 239; Willard, XVIII, 336; described, XIII, 272, 273, XVII, 140, XX, 252, 253; on Long's map, XVI, 246; view of Indian alarm on, XX, 4; sketch, XIII, 263, 264. See also Red (of Arkansas), below.

Clackamas (Klackamas), tributary of Willamette, XXX, 158; source, 134; course, XXI, 320; tributaries, XXX, 135; mouth, XXIX, 80, XXX, 137, 166; quality of soil, 162; bottoms, 164; crossing, 156; Indians, XXI, 320, 321, XXVII, 390; described, XXVIII, 14.

Clarion (Tobeco), road, I, 190, 191.

Clark's Fork, course, XXIX, 271; mouth, 296; outlet, 271; tributaries, XXI, 57, XXIX, 272; confluence with Flathead, XXVII, 337; ford, 335; trails, 335, XXVIII, 113; prairie, XXVII, 357; fort, XXVIII, 114; mission, XXIX, 178; navigation, XXVII, 366; Indians, VI, 340, XXVII, 299, XXIX, 173; Astorians, VI, 277, VII, 140; De Smet, XXVII, 228, 337, XXIX, 177; Lewis and Clark, VII, 140; described, 140, XVIII, 142, XXVII, 337, 338, 366, 367; sketch, 299, 300.

Clatskanie, sketch, XXX, 206.

Clatsop. See Necanicum, below.

Clear Fork, country described, IX, 306, 307; tavern on, 306.

Clearwater, mouth, XXIX, 79, 235; timber on, XXX, 292; bluffs, 232, 233; mountains, XXIX,

31; trail, XXX, 240; Delawares, 237; fort, XXIX, 39; settlement, 95; mission, 88, 92, XXX, 232, 262, 283; Ellice, 234.

Clinch, location, VIII, 304; junction with Holston, III, 271; width, 272; frontier outposts on, 60, 258, 262; settlements, 17, 46; A. Michaux, 96.

Clyde, settlement on, XXIV, 179.

Cœur d'Alène (Little Spokane, St. Ignatius), named, XXVII, 253, XXIX, 290; source, XXVII, 362; course, XXIX, 307; outlet, VII, 211; tributaries, XXIX, 302; trading-post, VI, 277; mission, XXVII, 365; De Smet, 254, 332, 333, XXIX, 307.

Colbert, origin of name, XXVII, 36.

Colorado (of California, of the West), sometimes called Red, XVIII, 119; sources, VI, 77, 155, XVII, 148, 234, XVIII, 130, 143, XX, 251, XXI, 184, XXVII, 137, 168, XXVIII, 110, 306, XXIX, 288; formation, XXI, 60, XXVIII, 223; sandstone, XVII, 204; cañons, XVIII, 14, 137, XXVIII, 266; tributaries, XVIII, 85, 137, 139, XXI, 187, XXVII, 135, 243, XXVIII, 190, 212, 220, 223, 261, 306; course, XVIII, 135; current, 192, 202-204; drainage, XXVIII, 109; inundations, XVIII, 251-255; confluence with Gila, 131, 188; mouth, XXVIII, 305; as a boundary, 150; divide for, XVIII, 91, XXI, 60; transportation on, XV, 196; trail to, XXVII, 248; Indians on, XVII, 156, XVIII, 140, 188, 351, XX, 56, 70, 83, XXVIII, 260; reservation, XVIII, 131; explorations, 85, 138; Spanish on, 188; trappers, 119; rendezvous, XXI, 334; described, XVIII, 136-138, 193, 194, 201, 205, XXVII, 224, XXVIII, 115, 223, 248; Astorians on, V, 226, 230; De Smet, XXVII, 192; Pattie, XVIII, 14, 181, 187-204; Smith, XIX, 238; Wyeth, XXI, 60.

Colorado (El Vado de Piedras, branch of Canadian), XIX, 249, XX, 89; storms on, XIX, 251; camping site, XX, 93; crossing, 235; described, XIX, 249, 250; Gregg on, 250, 251, XX, 139.

Colorado (of Texas), origin of name, XVI, 105; source, XX, 239; as a boundary, 254; Indians on, XVI, 105, XX, 349, XXIV, 296; Austin, XVIII, 366, 368.

Columbia (Oregon, Tacoutché Tasse), as a boundary, XVI, 177, XXI, 22, XXVIII, 347, XXIX, 13, 14, 24, 30, 34, 37, 39, 45-48, 50, 69, 74, 81, 82, XXX, 108, 110, 167, 168, 195, 196, 198, 215, 216, 286, 287, 295, 297; elevation, XXIX, 267; watershed, XXI, 60, 273, XXVII, 369; names, VI, 249, 252, 351, VII, 36; discovery, VI, 173, 185, 240, XXIX, 38, 39, 116, 145; exploration, VI, 186, VII, 148, XIX, 62, XXIX, 116, 117; surveys, 131; ownership, XXI, 10, XXVIII, 9; sources, VI, 351, XVII, 236, XVIII, 143, XXI, 57, 304, XXVI, 266, XXVII, 137, 175, 224, 385, XXVIII, 16, 110, XXIX, 16, 31, 205-207, 263; course, VI, 350, VII, 118, 125, 126, 152, XX, 251, XXVIII, 352, XXIX, 77, 281, XXX, 115; channel, VII, 135, 144, 146, XXIX, 70, 138, 159, XXX, 117; width, VI, 248, VII, 78, XXI, 300, XXIX, 64, XXX, 205; depth, XXIX, 64; volume, 40; ice, 50, XXX, 288; snow, 284; freshets, XXIX, 48, 89, 122, 178, XXX, 224, 284; current, VII, 120, 133, 143, 150, XXI, 286, 290; tides, VI, 317; tributaries, V, 181, VI, 245, 348, 350, 354, VII, 118, 119, 133, 135, 138-141, 147, 149, 152, 182, 183, 229, XXI, 185, 210, 357, XXVII, 300, 366, XXVIII, 306, XXIX, 38, 40-43, 49, 56, 164, 265, 267, 271, 288, XXX, 134, 156, 232, 295, 296; junction with Willamette, 158; with Saptin, XXIX, 32; forks, VII, 140, XVIII, 142, XXVII, 225, 299; cascades, VII, 255, 256, XXI, 290, XXX, 212; dangers on, VII, 260, XXI, 291; trail, XXIX, 73, XXX, 125; mission, XXIX, 132; described, VII, 121, 123, XXVIII, 371, 373, 375, XXIX, 281, XXX, 226; dalles, VI, 337, XXX, 281; falls, VII, 132, 191, XXVII, 319, XXVIII, 377; narrows, VII, 130, XXVIII, 356, 357, XXIX, 41, XXX, 279; rapids, VI, 248, 305, 344-347, 359, VII, 144-146, 149, 150, XXI, 355, XXIX, 119; mouth, XXI, 68, XXVII, 387, 388, XXVIII, 31, 32, 322, XXIX, 56, 69, 71, 117, 137, 138, 284, XXX, 193, 294; islands, VI, 243, 245, 305, VII, 117, 125, 136, 138, XXVIII, 367, 370, 379, XXIX, 13, XXX, 225; bluffs, 205; mountains, VII, 118, XXI, 302, XXVIII, 351, XXIX, 30, 62, XXX, 155; points, VI, 248, 261; sandy banks, XXX, 117; obstructions in, VI, 251, VII, 78, XXI, 285; gales, 325, 326; fords, XXVII, 370, 371, XXX, 88, 227; harbors, 295; portages, VI, 304-307, 311, 337, 345, VII, 121, 126-128, 130, 144, 146, 187, 195,

RIVERS: *Columbia* (continued)—

255, XXI, 291, 345, 358, 360, 361, 367, XXX, 226; fish in, XXIX, 51, 190; salmon, XXI, 330, XXIX, 93, 191; sturgeon, VI, 281; flowers, XXI, 342; plants, XV, 249; grass, XXVIII, 229; timber, VI, 319-322, XXIX, 38, XXX, 292; wood scarce, XXI, 67, XXX, 118; wolves, XXI, 336; climate, VI, 318, VII, 92, 209; epidemics, XXIX, 122, 123; country described, VI, 243, 247, 262, 318, 319, 338, 339, 345-347, 349, 350, VII, 117, 118, 120, 125, 130, 132, 134, 138, 139, 143, 145-147, 149, XXI, 346, XXVIII, 348-353, 355, 356, 358, 359, 369, 376, 377, XXIX, 35-37, 46, 92, 268, 281, 282, XXX, 115, 116, 118, 158, 289; trails, V, 227, 228, XXVIII, 321, XXX, 281, 294; Indians on, V, 181, 227, 233, VI, 240, 243, 251, 258, 260, 271, 322, 324, 340, 400, 401, VII, 102, 113, 123, 124, 129, 139, 211, 276, XVI, 24, XXI, 229, 235, 247, 285, 303, 321, XXIV, 295, XXVII, 256, 319, 369, 376, 387, 389, XXVIII, 340, 341, 360, 365, XXIX, 68, 126, 181, 241, XXX, 114, 160; fur trade and traders, VI, 13, 188, 358, VII, 271, XV, 236, XXI, 84, XXVIII, 112, 172, 287, XXIX, 30, 129, 260; trading-posts, VI, 239, 249, 252, 260, 287, 295, VII, 210, XXI, 344, XXVIII, 9, XXIX, 56; sites for, XXI, 104; forts on, 201, 230, 278, 297, XXVII, 235, 330, XXVIII, 259, XXIX, 59, 63, XXX, 199, 209, 229; Americans, V, 228, VI, 300, XXI, 306, XXX, 210; British, VI, 282, 283, 406; Spanish, XXIX, 116; Astorians, V, 35, VI, 189, 246, 269, 272, 298, 402, 403, VII, 41, 116, 151, 174, 184, 215, 228, 233, 240, 253, 254; American Fur Company, VI, 14, XXII, 232; Hudson's Bay, XXI, 352; Missouri, VI, 29; North West, 276, 374, VII, 10, 38, 102, 217, 244, 256; Pacific, 36; commerce on, 21, 129, XIV, 19, XXIX, 44; navigation, VII, 120, 121, 123, 135, 144, 146, 254, XXVI, 17, XXVII, 375, 376, XXIX, 121, 156-158, 178, 179, 207, 284, XXX, 13, 120, 223; emigration, XXI, 9, XXIX, 127; settlements, 194, XXX, 212; town sites, XXIX, 67, XXX, 207; missions, XXIX, 135, 137, XXX, 241; mills, 225; railroads, XXIX, 30; population, 98; De Smet, XXVI, 17, XXVII, 370, 401, XXIX, 16, 17, 134, 171, 178, 186, 205, 261, 268; Farnham, XXVIII, 12, 277, 291, 301, 315, 346, 348, XXIX, 26, 28, 67-69; Franchère, VI, 249, 314, 317, 389; Hunt, V, 224, 233, VI, 32, 116, 152, VII, 234, 243, 261, 262, XV, 237; Lewis and Clark, VI, 28, 187, VIII, 296, XI, 263, XXI, 278, 333, XXII, 217, XXIII, 223; Nuttall, V, 39, XXI, 308, 334; Palmer, XXX, 14, 140, 222, 224-229; Ross, VII, 10, 228; Townsend, XXI, 15, 308, 317, 369; Wyeth, 197, 226, 266, 267, 278, 325; other explorers and fur-traders, V, 37, 225, 233, 234, VI, 187, 189, 251, 253, 282, 298, 299, 304, 313, 347, 405, VII, 101, 115, 159, 163, 181, 185, 190, 210, 222, 232, 248, 263, XV, 237, XVII, 236, XIX, 238, XX, 267, XXI, 9, 11, 14, 31, 33, 60, 68, 74, 98, 280, 296, 361, XXVII, 278, XXVIII, 354, 367, XXIX, 43, 72, 119, 193, XXX, 122; vessels, VII, 250, 251, XXVIII, 333; "Beaver," VI, 285, VII, 233; "Columbia," VI, 295; "Lark," VII, 251; "Raccoon," VI, 301, 302, 390, VII, 250; "Tonquin," VI, 230, VII, 74-82; astronomical observations, VI, 317; meteorological, VII, 330-332; described, VI, 17, 18, VII, 146, XXI, 74, 104, 282-284, 294, 309, XXVII, 175, 373, 374, 379, XXVIII, 276, 348, 349, 353, 354, 367, 368, 370-373, 376-378, XXIX, 36-38, 41, 42, 67, 68, 77-80, 119, 162, 163, 189, 206-209, XXX, 199-201, 203, 205-211, 213, 225, 227, 228; compared with Ohio, XXI, 39; Yellowstone, 83; sketch, XXVII, 379; view of mouth, VI, 231.

Colville, mouth, XXIX, 78; trading-post on, XXX, 295; fort, XXVII, 369; agriculture, XXIX, 92; described, XXVII, 369.

Conchos (Conchez), mouth, XX, 146; affluent of Red, XVII, 216; Indians on, XX, 77; agriculture on, XVIII, 359; sketch, XIX, 280.

Conconolly, branch of Okanagan, VII, 277; Indians on, 276.

Conemaugh (Conomaugh), formation, III, 340; described, XXII, 134, 136-138.

Connecticut, Evans on, VIII, 107-110, 115; described, 108, XXVI, 53, XXVIII, 176.

Conococheague (Conegoche, Conogocheague). See Creeks: Conococheague.

Contoocook, Petersboro on, VIII, 106.

Cooper, confluence with Ashley, III, 121.

- Coosa, location, VIII, 294.
- Copper. See Cuivre, below.
- Coppermine, salmon in, VII, 140; in Indian legend, XXVIII, 160.
- Coquille, sketch, XXIX, 49.
- Corbeau (Rivière de). See Crow Wing, below.
- Corne de Cerf. See Elkhorn, below.
- Cossetot, sources, XVII, 51; described, 124.
- Cottonwood, buffaloes on, XIX, 205; Gregg, 203, 204; sketch, 204.
- Cowlitz (Cowilkt), location, XXX, 295; Columbia affluent, VI, 244, 245; source, XXIX, 89; mouth, 67, 80; timber on, 47; quality of soil, XXX, 295; agriculture, XXIX, 60, 90; fort on, XXX, 295; Indians, VI, 247; Franchère, 265; North West brigade, VII, 260; described, XXIX, 25, 120, XXX, 213.
- Creole (Rickerall, Rickreall), as a boundary, XXX, 173, 174; mouth, 172, 182; settlements, 174; described, 172; sketch, 172.
- Crow Wing (Rivière de Corbeau), as a boundary, XXVIII, 153; source, 152; Indians on, 156; sketch, 152.
- Crows, course, II, 119.
- Cuchara, source, XXVIII, 187.
- Cuivre (Copper), location, XV, 173; source, 174; mouth, XVIII, 32; James on, XV, 172.
- Cumberland (Shawana), as a boundary, XIX, 94; location, VIII, 276, 292, 304; Ohio affluent, V, 273, XIX, 42; size, XIV, 144; source, III, 271; course, X, 208, XIV, 49; bed, 51; length, III, 271; outlet, 271, XXII, 203, XXIV, 132, XXVI, 77; color, XIV, 52; tributaries, XXII, 221; eddy in, III, 81; inundations, 82; islands, IV, 274, 275; plants, III, 62, 63; stone, 250; saltpetre, V, 278; red rocks, III, 84; Fort Blount, 95, 255; navigation, 82, 271; emigration, 18; settlements, 17, 61, XIV, 83; Nashville, III, 250, X, 254; Smithland, VIII, 281; ship-building, 276; commerce, III, 251, 252, 282, IV, 105, 275, VIII, 281, 339; highway robbery, IV, 269; Indians, I, 138; Cuming, IV, 275, 276; Evans, VIII, 295, 319; Long, XIV, 82; A. Michaux, III, 60, 61, 74, 76, 81, 86, 104; F. A. Michaux, 258, 276; Robertson, 62; "Hermitage," XI, 195; "Western Engineer," XVII, 92; described, XIV, 82, 83, 91, XVII, 105, 106, XIX, 94, XXII, 203.
- Current (Currents), sources, XVII, 125; navigation on, 131; sketch, 37.
- Curtain (Rideau), described by Franchère, VI, 398.
- Cut-off, branch of Wabash, XXII, 165; view, XXV, 8.
- Cuyahoga, course, XXIV, 158; portage, 157; as Indian boundary, VIII, 200; Indians on, I, 168; Croghan, 107; described, VIII, 187, XXIV, 159, 160; sketch, I, 107.
- Dakota. See James, below.
- Daycao (Rio del Oro), Alvarado on, XIII, 336.
- Dearborn, as a boundary, XIX, 68; sketch, XXVII, 225.
- Deche, tributary of Wabash, XIX, 66.
- Deep Fork (Little North Fork), described by Nuttall, XIII, 265-269.
- Deer, De Smet on, XXVII, 228.
- Deer Lodge (Cart), divide, XXVII, 253; described, XXIX, 340, 341.
- De la Paix, mission on, XXIX, 231.
- Delaware (Lenapewi-hittuck), origin of name, XXII, 96; originally Grasshopper Creek, XIV, 210; tributaries, XII, 167; confluence with Brandywine, IV, 29; with Lehigh, XXII, 89; Schuylkill, IV, 28,

RIVERS: *Delaware* (continued)—

XXII, 64; terns on, XIV, 122; islands, XXII, 96; bluffs, XI, 107, XXII, 67; coal beds, V, 276; coal barges, XXII, 123; frozen, XII, 309, XVII, 158; canals, XXII, 78; steamboats, XII, 325; bridges, XXII, 89; roads, 63; country described, XI, 106, XII, 171; quality of soil, XI, 112; value of land, 161; Indians, XXII, 96; freight traffic, IX, 59; cemetery, XII, 66; Bordentown, 79, XXII, 67, XXV, 2; Hoboken, XII, 166; Philadelphia, IV, 23, IX, 53; Trenton, III, 130, IX, 48, 52; Wilmington, XII, 292; refugees, XXII, 94; Moravians, 77; Faux, XI, 111, 158; Maximilian, XXII, 90, 91; described, IX, 52, 53, XXII, 62, 92-94; compared with Columbia, XXI, 282.

Demi Quain. See Spoon, below.

De Moyen. See Des Moines, below.

Derbane, described, XVII, 59, 60.

Deschutes (Des Chutes, Deshutes, Lowhum, Luhon, Towarnahooks), tributaries, XXX, 126, 127, 139, 152; forks, 141, 142, 146; length, 29, 45; mouth, 79; timber on, 292; trail, 101, 129; Indians on, XXIX, 99; emigrants, XXX, 123; Meek, 122, 126; Palmer, 228; described, VII, 133, XXIX, 45, 46, 202, XXX, 118, 119.

Deserted Fork, named by Pattie, XVIII, 96.

Des Gens Libres, breadth, XXIX, 251.

Des Moines (Rivière De Moyen, des Moins, Maringoin, Moingona), as a boundary, XIV, 161, XXII, 225, 251, XXIV, 315; Mississippi affluent, XXVII, 227; sources, XIV, 159, XXVIII, 152; geological formation, XV, 183; Indians on, V, 49, VI, 66, XIII, 323, XV, 133; Iowa, VI, 51, XIV, 270, XVII, 151; Sauk, XIV, 317; fort, XXVI, 138; fur-traders, VI, 50; astronomical observations, XVII, 262.

Des Plaines (Plein), location, X, 269; confluence with Kankakee, IX, 186, XVII, 178; current, 179; portages, VIII, 291; described, XIX, 54.

Des Roches, current, XXIX, 251.

Detroit, as a boundary, VIII, 218; width, 238; forms Lake St. Clair, 227; islands, 238; French post on, II, 28; British post, 50; land grants, IV, 94; Evans, VIII, 238; described, I, 152, VIII, 218; view, 215.

De Vieux, currents, XXIX, 251.

Dick, source, III, 222, 223; F. A. Michaux on, 211.

Doe, Davenport's plantation on, III, 285; A. Michaux, 57.

Dorgo, falls on, XIX, 144.

Drewyer's, named by Lewis and Clark, VII, 208.

Dry (Texas), named, XX, 213; Gregg on, 216; described, XVI, 130; sketch, XX, 213.

Dry Branch. See Creeks: Willow.

Duchatt, location, X, 269, 270, XIX, 66.

East, as a boundary, XII, 78; confluence with North, XXII, 56; described, 55, 59.

Eau Sucré. See Sweetwater, below.

Eel, tributary of Wabash, XIX, 66; described, I, 149.

Eleven Point, location, XVII, 35; sources, 35, 37, 125; navigation, 131.

Elk, as a boundary, XXII, 305.

Elk (Muskingum), Croghan on, I, 130, 131; identified, 107.

Elkhorn, Ohio tributary, IV, 180, 183, 189, 197.

Elkhorn (Corne de Cerf, Elk Horn, Watatungya), as a boundary, XIV, 222; source, XIX, 101; tributaries, XVIII, 40; country described, V, 84; Indians on, XV, 101, XXII, 278; Omaha, XIV, 311, XVII, 152; Pawnee, XIV, 240, XVIII, 41; fur trade, V, 78, XIV, 268, 278; Bradbury, V, 81; De Smet, XXVII, 228; Long, XV, 195, XVI, 148; Pratte, XVIII, 39; Swift, XIV, 269; astronomical observations, XVII, 262; described, V, 76, VI, 101, 102, XV, 195, 196, XVII, 136, 137; sketch, XIV, 240.

Embarrass, location, XIX, 55; A. Michaux on, III, 68; described, X, 270.

Emonitilly. See Umatilla, below.

English, trading-post on, VI, 254, 367; traders, 380.

Engwahcondah. See Illinois, below.

Entiatqua (Entiyate coom, Entyatecoom, Intyclook), location, VII, 148; described, XXIX, 79.

Eyakena. See Yakima, below.

False. See Old, below.

False Washita (Faux Ouachitta, Fouxoacheta). See Washita, below.

Fancy. See Teton, below.

Femme Osage, tributary of Missouri, XXVII, 228.

Fiddle (Violin), sketch, XXIX, 252.

Finlay, sources, XXIX, 58.

Firehole, confluence with Gibbon, XXVII, 323.

Flat (Flatwater). See Platte, below.

Flatbow. See Kootenai, below.

Flathead (Pend d'Oreille), tributary of Clark's Fork, XXVII, 300, 337; source, XXIX, 30; course, XXVII, 359; tributaries, 360; outlet, XXIX, 78; mountains, 30; navigation, 192; road, XXVII, 335; fort, XXIX, 59; described, VI, 347, 348, XXVII, 359, 360, XXIX, 40, 41. See also Clark's Fork, above.

Flatland, distance from Fort Colville, XXIX, 39.

Floyd, location, XXII, 278, XXVII, 227; origin of name, XV, 91, XXVII, 227; tributary of Missouri, VI, 85; width, 165; Indians on, XV, 91; as Indian boundary, XXIV, 315.

Forked, location, VIII, 304.

Fountain. See Creeks: Boiling Spring.

Fourche De Thomas (Fourche Dumas, Fourche à Thomas, Fourche à Dumas, Fourche, Dumaz), described, XVII, 37.

Fox (Ill.), affluent of Wabash, XXV, 38, XXVI, 139; location, XIX, 55; drainage, XXII, 188; tributaries, 194; bivalves on, 170; Birkbeck, X, 47; described, XXII, 189, 190.

Fox (Wis.), as a boundary, XVII, 109; topography, 110; location, VIII, 291; connects Green Bay and Lake Winnebago, 232; portage, II, 187, VII, 178, XVII, 110, 177; Indians on, II, 185, VIII, 127, 292; forts, 232, XXVI, 138; Astorians, VII, 178.

Fraser (Tacoutché Tessé), original name, VI, 252; as a boundary, XXIX, 30, 76, 182, 279; sources, 30, 252, 258, 263; tributaries, 58, 59, 79, 81; confluence with Nechaco, 276; outlet, 57, 58; course, 73; salmon in, 94; Indians on, XXVII, 307, XXIX, 98, 149, 150; exploration, VI, 351; harbor, XXX, 294; lumbering, XXIX, 95; traders, VII, 207; forts, 194, XXI, 342, XXIX, 44, 58, 59, 120, 132, 181, XXX, 295; settlements, VII, 194, XXX, 212; Mackenzie, VI, 187; Nobili, XXIX, 276; Stuart, VI, 251, VII, 159; described, XXIX, 43, 44, 80, 81, XXX, 295.

RIVERS (continued)—

French (Grand), empties into Georgian Bay, II, 34, 76; Indians on, 44, 72; sketch, VI, 397.

French Broad, width, III, 272.

Gabourie, branches, XXVI, 96.

Galisteo, pueblo near, XIX, 272.

Gallatin, as a boundary, XXIII, 96; Missouri tributary, VI, 28, 33, XXVII, 224; sources, XXVIII, 305; divide, XXVII, 392; De Smet on, 177, 228; Lewis and Clark, XVIII, 142, XXVIII, 110; Maximilian, XXIII, 138.

Gallinas (Rio de las Galinas, Turkey, Vegas), origin of name, XIX, 252; caravan camping site, XX, 93.

Gardiner, origin of name, XXIII, 197.

Gasconade, as a boundary, XVII, 86; location, XXVII, 227; tributary of Missouri, V, 246, XIV, 136; width, VI, 164; sources, 41, XVII, 36; outlet, XXIV, 123; stratification, XIV, 212; lead mines, V, 252, XVII, 41; pine, XVIII, 33, XIX, 164; saltpetre, V, 247; navigation, VI, 41, XVII, 131; traders, XVIII, 10; mills, 11, 33; settlements, XVII, 127; Brackenridge, VI, 41; Bradbury, V, 47; Long, XIV, 137; astronomical observations, VI, 164; described, XIV, 136, 137, XVII, 126, XVIII, 33, XXII, 241.

Genesee, VIII, 120; as a boundary, 42; aqueduct, XXIV, 178; road, VIII, 41; Seneca on, 183; Evans, 134; described, 134, 180.

Gens de Colets. See Snaring, below.

Gibbon, confluence with Firehole, XXVII, 323.

Gila (Helay, Rio del Nombre de Jesus), early name, XVIII, 85; sources, 86, 90, 91; course, 90, 95; width, 131; tributaries, 95, 99, 129, 130; confluence with Colorado, 188, 193; beavers, 77; Aztec ruins, XX, 68; Yuma Indians, XVIII, 131; Americans, 13, 14, XX, 80; mission, XXVIII, 261; Pattie, XVIII, 13, 14, 85, 87, 91-99, 107, 108, 117, 119, 181, 187; described, 87-89; sketch, 85.

Goat Penn, renamed White Earth, XXIII, 214.

Goose, Missouri tributary, size, XXVII, 226.

Goose, Ohio tributary, Dublin on, VIII, 106.

Grand (Neosho, Six Bulls), as a boundary, XIX, 209, XXVIII, 126, 131, 133; Arkansas tributary, XIII, 235, XIV, 144, 285; location, XIII, 244; topography, XVII, 123; character of, XVI, 287; source, XVII, 125, 140, XX, 249, XXVIII, 134; course, XVI, 255, XVII, 36; tributaries, XIX, 196, 203, 204; outlet, XIII, 235, XVII, 129, 130; rapids, XIII, 236; geological formation, 241; quality of soil, XVI, 191; bottoms, XIX, 197; salines, XIII, 232, 236, XVI, 286, XX, 243; coal bed, 242; canebrakes, XIII, 234; Indians, XVI, 274, 283, XVII, 21, XXVIII, 136; navigation, XX, 252; Fort Gibson, 105; Union Mission, XVII, 82; Bell, XVI, 284; Nuttall, XIII, 234, 252; described, 231, 241, XVI, 284, 285; on Bijeau's map, 286; sketch, XIII, 234.

Grand, Colorado tributary, divide, XXVIII, 212, 226; source, 214, 221, 306; tributaries, 206, 214, 215, 220, 225; confluence with Green, XXI, 60; outlet, XXVIII, 146; valleys, 304; character of rocks, XVII, 218; "Old Park," XXVIII, 266; Indians, 261; Farnham, 222; described, 220, 221, 223; sketch, 223.

Grand (Chaeaga, Chogage, Onchuago), Ohio tributary, XXIV, 160; location, VIII, 187, 231; Indians on, I, 105, 106; described, VIII, 187; sketch, I, 106.

Grand. See Ottawa, below.

Grand (Nischna Honja, Mo.), source, XV, 182, 184; width, VI, 164; tributaries, XV, 179,

180; mouth, XIV, 161, XV, 182; topography, 178, 179, 183, 184, 196, XVI, 160; portage, VI, 50; described, XIV, 160, XXII, 245, XXVII, 227; as a boundary, XV, 75, XXIV, 315; Fort Orleans on, V, 56, XV, 130; Indians, 133; De Smet, XXVII, 228; Long, XV, 179, 185; Maximilian, XXII, 245, XXIV, 121.

Grand (Weterhoo, Winnepenhoo, S. Dak.), V, 127, XXIV, 87, XXVII, 226; Indians near, XXIII, 237; width, VI, 166; mouth, XXII, 335, XXIV, 87.

Grand Saline. See Cimarron, above.

Grande Ronde, course, XXI, 271; on Oregon trail, XXX, 281; road, 106, 109; described, 105.

Grande Sableuse, De Smet on, XXVII, 228.

Gravel. See Pic, below.

Great Bear, as a boundary, XXVII, 286; outlet, 295; trail, 113; Indians on, 229, 261; described, 289.

Great Hockhocking, described by Woods, X, 225.

Great Kanawha (Kenhawa, New), tributary of Ohio, V, 273; source, III, 182, XXII, 150; course, III, 181, XIV, 49; bed, 51; width, 142; salt springs, V, 276, IX, 112, 280, X, 226, XIV, 58, 82; road, X, 79; commercial highway, XIII, 68; settlements, III, 182; Charleston, X, 79, XIV, 61; Point Pleasant, V, 279, VIII, 316, IX, 112, XIII, 57, 79; Indian mounds, XIX, 86; Bradbury, V, 244, 277; Croghan, I, 132; Cumming, IV, 140-147; Long, XIV, 63; A. Michaux, III, 34, 48; F. A. Michaux, 182; Trent, I, 56; described, VIII, 262, 263, XVII, 105, 106, XXII, 152; sketch, I, 132.

Great Miami (Miami), as a boundary, VIII, 283, XVII, 119, XIX, 65; location, X, 235; Ohio tributary, V, 273, VIII, 206; tributaries, XIX, 67; mouth, XIII, 62, XXI, 40; portage, VIII, 207; trees, I, 137; swamps, 185; quality of soil, IX, 300; bounty lands, IV, 160; navigation, IX, 184, 190; forts, IV, 256, VIII, 265, XIX, 36; settlements, IV, 12, V, 258; Cincinnati, VIII, 265; Indians, I, 122, 168, 319; Croghan, 135, 161; Symmes, IV, 256.

Great Muskingum, Marietta on, IX, 109; described, X, 223.

Great (Grand) Nemaha. See Nemaha, below.

Great North Fork, described, XVI, 174.

Great Osage. See Osage, below.

Great Platte. See Platte, below.

Great Red Elk. See Athabasca, above.

Great Salt. See Cimarron, above.

Great Sandy. See Big Sandy, above.

Great Scioto. See Scioto, below.

Great Snake. See Snake, below.

Great Wood. See Wood, below.

Green, Ohio tributary, I, 137, V, 273, XIV, 90, XVII, 254; as a boundary, XXVI, 212; length, III, 223; width, IV, 265; mouth, XXVI, 65; barrens on, IX, 284; coal mines, V, 275, XIV, 76; salt-petre, V, 278; ferry, III, 88; immigrants, IV, 149; settlements, 265, 267; Transylvania University lands, 184; Cumming on, 265-267; Maximilian, XXII, 161; A. Michaux, III, 64, 86, 88, 92; described, 214, 216, X, 251, XVII, 105, 106, XXVI, 65; sketch, 65.

Green (Skeetskadee, Siskadee, Verte), Colorado tributary, as a boundary, XXX, 260; on Oregon trail, 279; divide, XXVIII, 226, 288, XXX, 75, 76; sources, XXVIII, 305; course, XXX, 73; tributaries, XXI, 187, 197, XXVIII, 233, 279, 282, XXX, 71; confluence with Grand, XXVIII, 223; volume, 306; fords, XXI, 190; animals, 194; cañons, XXVIII, 225; valleys, 250, 304; Brown's Hole, 251,

RIVERS: *Green* (continued)—

252; trails, 113, XXX, 72, 76; Indians, XXVII, 233, 234, 244, 323, XXVIII, 261; traders and trappers, 173, 237; fur-trade rendezvous, XXI, 14, 188, 192, 335, XXIII, 198, XXVI, 16, XXVII, 135, 137, XXIX, 25; Becknell, XIX, 180; De Smet, XXVII, 162, 198, 235, 242, 278; Farnham, XXVIII, 278; Palmer, XXX, 247; Wyeth, XXI, 189; described, 188, 194, XXVII, 243, XXVIII, 278, 280, 281, XXX, 72, 73; sketch, XXI, 60.

Gunnison, union with Grand, XXVIII, 223.

Guyahoga. See Cuyahoga, above.

Guyandotte, IV, 153; location, X, 229; Croghan on, I, 133; Maximilian, XXII, 153; A. Michaux, III, 35.

Ham's Fork (Big Muddy), source, XXX, 77; trail, XXVIII, 113; fur-trade rendezvous, XXI, 192; Farnham on, XXVIII, 282; Palmer, XXX, 75; described, XXI, 197, XXVIII, 282, 285; sketch, XXI, 197.

Hanteuc. See Pudding, below.

Hare, Indians on, XXIX, 232.

Hayes, as boundary, II, 10; trading-post on, VI, 377.

Heart (Cheschetar, Rivière de Cœur, Natke-Passaha), as a boundary, XXII, 305, XXIV, 84; mouth, XXII, 340; Mandan on, 341, XXIII, 254, 315, 317, 329, 376; in Indian folk lore, 306, 307, 310, 312, 376; Bradbury on, V, 148, 149; Maximilian, XXIV, 85; sketch, V, 148.

Helay. See Gila, above.

Hellgate, tributary, XXIX, 340; confluence with Bitterroot, XXVII, 300; St. Mary's, 254, 281; mouth, 269; De Smet on, XXIX, 340.

Henry's Fork, mouth, XXVII, 252, 253; road, XXIX, 30; trading-post, 56; Bannock on, XXVIII, 319; Hunt, V, 231; De Smet, XXVII, 175.

Hiawassee, Jolly on, XIII, 182.

Hoback, branch of Lewis River, XXI, 60; origin of name, V, 99; width, 230.

Hockhocking (Bottle, Hochocken), width, X, 224; Indian mounds on, XIX, 84; bridge, IV, 130, 222; Croghan on, I, 131, 134; Cuming, IV, 223; Maximilian, XXII, 151; described, VIII, 264; sketch, I, 131.

Hole. See Trou, below.

Holston, location, VIII, 304; width, III, 265, 272; tributaries, 46, 47, 271; ferry, 58, 59; navigation, 272; frontier outposts, 60, 262; settlements, 17, 46, XIII, 183; Scotch-Irish, I, 135, 136; A. Michaux, III, 52, 96; F. A. Michaux, 267.

Homochito, ferry, IV, 346; settlements, 8, 327, 346; Cuming, 8, 327.

Horn. See Elkhorn, above.

Horse, De Smet on, XXVII, 228.

Horseshoe, De Smet on, XXVII, 228.

Hudson (North), as a boundary, IX, 182, XII, 78, XVII, 254; confluence with East, XXII, 56; ice on, XXIV, 189; sturgeon, XVI, 166; geological formation, XVII, 248; limestone, 245; marble, 87; Erie canal, VIII, 120, IX, 315; highlands, IV, 51, XXVI, 289; Bergen Neck, XII, 68; Catskills, V, 273; scenery, XXII, 55, XXIV, 174, XXX, 206; bears, XVI, 47; commercial highway, II, 48, VIII, 180, 249, XIX, 26, XXIV, 176; Indians on, I, 31; batteries, VI, 192; steamboats, IX, 46, XXII, 59; piers, XXIV, 192; homes, XXII, 58; gardens, 60; cholera, 127; cities, VIII, 117, XVII, 251, XXII, 58,

XXIV, 188; emigrants, V, 296; Bullock, XIX, 119; Franchère, VI, 191; described, XIX, 153, XXIV, 189, XXVI, 53.

Huerfano (Orphan), named by Spaniards, XVI, 53; source, XXVIII, 189; mountains, 183; trail, XVI, 65; Long on, 62; described, XXVIII, 187.

Humboldt (Mary, Ogden), names, XXI, 314, 315, XXVIII, 113; discovery, XXI, 314; trail, XXVIII, 113, XXX, 91; sketch, XXVIII, 113.

Huron (Notowacy, Thepy), as a boundary, IX, 119; outlet, VIII, 187; Indians on, IX, 298, XXII, 96; Brownstown, VIII, 212; Croghan, I, 109; Evans, VIII, 193; Munro, IX, 309; described, VIII, 193, 195.

Hyde Park, described, XVIII, 52.

Iberville (Manchac), location, VIII, 338; smuggling on, IV, 359.

Illinois, as a boundary, X, 334, XIX, 49, XXVI, 128; elevation, XVII, 179; Mississippi affluent, XIV, 129, XV, 172, XVII, 178; source, VIII, 207; confluence with Fox, XXVI, 139; tributaries, VIII, 285, IX, 186, X, 269, 318, XIX, 54, 55, XXVI, 136, 226, 300, 320, XXVII, 22; forms Lake Peoria, XXVI, 133; mouth, X, 327, XVII, 178, XIX, 48, 60, XX, 101, XXVI, 12, 122, 129, 256, 275, 290, 294, 299, XXVII, 35, 42, XXIX, 82; canal to Lake Michigan, VIII, 291, IX, 186; quality of soil, XII, 211; bluffs, XXVII, 110; bottoms, VIII, 291, XVII, 114; caves, XXVI, 125; prairies, XIX, 55, XXVI, 340; bison, III, 234, XV, 245; plants, III, 74; minerals, XVII, 232; trees, XIX, 61; navigation on, IX, 190, XXVI, 139; Joliet and Marquette, XIV, 96, XIX, 45, XXVII, 36; La Salle, XIX, 46, 50, XXVII, 37, 39; Indians, XVII, 41, XXVII, 29, 37; early settlements, V, 258, XXVI, 129, XXVII, 34; forts, XIV, 108, XXI, 43, XXVII, 37, 75; ship building, III, 160; commercial highway, VIII, 284, X, 269, XIX, 61, 62; land grants, IX, 186, 187; bounty lands, XIX, 61; militia, XXVI, 133; Flagg on, 113, 121, 142; astronomical observations, XVII, 262; described, VIII, 291, XVII, 110, XIX, 53, 54, XXVI, 13, 121, 125-129, 140.

Illinois (Engwahcondah, Medicine Stone Creek), Arkansas tributary, XIII, 230, 232; sources, XVII, 26, 125; tributaries, 36, 37; course, XIII, 232, XVII, 36; character of rocks, 218; gold mine, 29; quality of soil, XVI, 191; settlements on, 286; described, 287.

Indian, Indians on, XXIX, 232.

Indian Wheeling, Cuming on, IV, 233.

Intyclook. See Entiatqua, above.

Iowa (Jowa), as a boundary, XXII, 225; mouth, XXIV, 104; Foxes on, XXVIII, 142, 144; Winnebago, XXIV, 313.

Jackson, north fork of Missouri, XXVII, 224.

James (Dakota, Jacques, Jaque), Missouri affluent, VI, 66; width, 166; mouth, XXII, 281, XXIV, 99, XXVIII, 153; Indians on, V, 90, XXIV, 13, 85; hunting grounds, XXII, 268; fur-traders, VI, 66, 86, 90, XXVII, 227; Brackenridge, VI, 90; "Resolution," X, 185; sketch, XXII, 282.

James (Va.), tributaries, III, 48; A. Michaux on, 52.

James Fork, Poteau River tributary, XVI, 183.

James Fork, White River tributary, XXVIII, 138.

Jasper, Iroquois on, XXIX, 255.

Jefferson, as a boundary, XXIII, 96; source, XXVII, 175, XXVIII, 305, 318, XXIX, 30; confluence with Madison and Gallatin, VI, 28, 33; tributaries, XXVII, 250, 380, XXIX, 341; Lewis and Clark on, XVIII, 142, XXVIII, 110, 111; Colter, V, 45, 46; De Smet, XXVII, 176, 228; Maximilian, XXIII, 138.

RIVERS (continued)—

Jocko, mouth, XXVII, 335.

John Day, location, V, 181, XXVIII, 352; on Oregon trail, XXX, 281; Columbia affluent, VII, 135; named, 133; source, XXX, 125; length, XXIX, 45; mouth, 79; timber on, XXX, 292; Townsend, XXI, 357; described, XXIX, 45, 46, XXX, 117, 118; sketch, XXI, 357.

Johnston, mill on, IV, 173.

Judith. See Big Horn, above.

Juniata, II, 187, III, 335, XII, 195; topography, IX, 72; source, III, 324; course, XXII, 132; width, III, 143; ferry, 143; portage, 341; aqueduct, XXII, 134; bridge, XIII, 40; coal mines, 39, 40; iron foundries, XVII, 234; settlements, I, 48, 186; inns, XXII, 134; Scotch-Irish, III, 321; Cuming, IV, 68; Flint, IX, 72, 74; Harris, III, 323-325, 371, 372; Maximilian, XXII, 132; A. Michaux, III, 28; F. A. Michaux, 142, 143; Post, I, 289; Weiser, 22; thermometrical observations, III, 374; described, IV, 59-61, XIII, 39, 40.

Kalama, Franchère on, VI, 246.

Kaministiquia, trade route, VI, 384; North West brigade on, 385; Fort William, 386; sketch, 385.

Kanawha. See Great Kanawha, above.

Kankakee (Theakiki, Teakiky), as a boundary, X, 334; branch of Illinois, IX, 190, XVII, 178, 179, XIX, 54; location, VIII, 285, 291, X, 269.

Kansas (Rivière des Cans, des Kancés, Kaw, Kansa, Konza, des Quans), as a boundary, XIV, 211, XXIV, 315, XXVII, 215, XXX, 37; divide, XVI, 230, XVII, 179, XVIII, 12, XIX, 195; Missouri tributary, XXVII, 220, XXVIII, 136, 137; resembles Missouri, XIV, 173, 185; how formed, XVIII, 63; sources, VI, 67, XV, 135, XX, 249; width, VI, 165; tributaries, V, 242, VI, 67, XIV, 184, 186, 216, 233, 241, 276, XV, 209, XVII, 126, 140, XVIII, 50, 61, 63, XIX, 195, XXI, 142, 149, 156, XXVII, 197, XXVIII, 56, XXX, 37, 45; forks, XVII, 120; course, XIV, 183, 186, XVI, 212, XVII, 36; bed, XIV, 185; islands in, 185; sand-bars, 185; mouth, 172, 173, XVII, 216, XXIV, 114; snow on, 46; inundations, XIV, 173, 185; geological formation, XVI, 141; stratification, XIV, 211, 212; petrifications, 228; trail crosses, XXI, 49, 145, XXX, 277; navigation on, VI, 67, XVII, 131, XX, 251; as a highway, XXVIII, 111; Indians on, VI, 67, XIV, 176, 233, XVI, 20, XVII, 128, XIX, 196, XXVIII, 87, 138; hunters, VI, 55; agriculture, XXVIII, 85; mission, XXIX, 234; Brackenridge on, VI, 67; De Smet, XXVII, 197, 228; Long, XIV, 171, 172, 174; Palmer, XXX, 42, 52; Say, XIV, 184, 185; Sibley, VI, 61; Sublette, XXIV, 116; Wyeth, XXI, 144, 146; described, XVII, 138, 139, XXI, 146, XXII, 251, 252, XXX, 38; sketch, XIV, 174.

Karamip (Sharrameep), described, XXVII, 371.

Kaskaskia (Ocea, Ocoa), as a boundary, XVII, 113, 114, XXVI, 94, XXVII, 44, 81; confluence with Mississippi, XIX, 59, XXVII, 69; source, X, 270; tributaries, XXVI, 246, 252, 367, XXVII, 112; mouth, XIV, 99, XIX, 57, XXII, 210, XXVI, 89, 95, 256, XXVII, 23, 106, 109; bluffs, XXVI, 96; bottoms, XIV, 101, XVII, 114; point, XXVII, 45; commercial highway, X, 269; frontier outpost, III, 70; settlements, X, 326, XI, 238, XIV, 98, XXVI, 243, 352; Flagg on, 359; A. Michaux, III, 71, 72, 74, 78; Renault, XXVI, 95; described, VIII, 291, XVII, 110, XIX, 54, XXVII, 22, 25, 26, 61, 65; compared with Kennebec, 65.

Kaw. See Kansas, above.

Keheetsa. See Yellowstone, below.

Kenhawa. See Great Kanawha, above.

Kennebec, settlement on, XXVII, 66; Buttrick, VIII, 39; compared with Ohio, XXI, 39; with Kaskaskia, XXVII, 65.

Kennion, De Smet on, XXVII, 228.

Kentucky, location, VIII, 276; as a boundary, 200, XIX, 53; Ohio affluent, V, 273; source, III, 222, 223; length, 223; depth, 38, 210, 223; width, 211, IV, 257, 258; bed, XIV, 51; channel, III, 210; tributaries, 223; mouth, XIX, 53; fish fossils in, III, 205; red cedar on, IX, 256; game, IV, 145; navigation, 193, XI, 188, 194; bridge, IV, 193; ferry, III, 43; frontiersmen, IV, 145; vineyards, III, 208, 218, 219; commerce, 282; fort, XXVII, 74; settlements, III, 200, IV, 189, X, 42, 64, 240, XVIII, 29; Jemima Boone, XI, 222; Croghan, I, 135; A. Michaux, III, 38, 42, 43; F. A. Michaux, 209, 211; Woods, X, 239; "Paul Jones," XXIV, 142; described, III, 38, 210, IV, 191, VIII, 277, XIII, 64, XVII, 105, 106, XIX, 94.

Kiamichi (Kiamesha), as a boundary, XIII, 207, XVII, 127; divide, XIII, 209, 226; tributary of Red, 206, XVI, 139, XVII, 77, 218; source, XIII, 155, 287, XVI, 188, XVII, 12, 51, 124, 235; tributaries, XIII, 211, 217, 223; mouth, 147, XVII, 83, 120; cove, XIII, 225, 226; hills, XVII, 52; prairies, XIII, 216, XVII, 78; emigrants, XIII, 208; squatters, 213; settlements, XVII, 77; Nuttall, XIII, 13, 212, 214, 215, 224-226; described, 211-213, 224, 225, XVII, 77; sketch, XIII, 207.

Kilhawânackkle. See Young, below.

Kimooenem. See Tukenon, below.

Kiskiminias (Kiskemanetas, Kiskemeneco, Kiskimenetas), tributary of Allegheny, I, 245, III, 340, VIII, 246; portages, III, 341; sketch, I, 246.

Klackamas. See Clackamas, above.

Klamath (Klamet), location, XXIX, 48, 121; source, 46; harbor on, XXX, 294; described, XXIX, 49, 82, XXX, 297; sketch, XXIX, 46.

Klaskanine, location, XXX, 199.

Klickitat, location, XXIX, 80; mouth, XXVIII, 367.

Knife (Cane, Rivière de Couteau, Minah Wakpa), location, XXVII, 226; as a boundary, XXIV, 84; course, XXII, 357; confluence with Felse, XVII, 65; width, V, 152; mouth, XXII, 364, XXIII, 217, 234; tributary, V, 157; birches on, XXIII, 244; plants, V, 318; ferry, 164; Indians, VI, 32, XV, 57, XXII, 357, XXIII, 317, 367, 376; Brackenridge, V, 162; Bradbury, 152, 162; Crooks, 152; De Smet, XXVII, 228, XXIX, 368; described, XV, 59, XVII, 64.

Konza. See Kansas, above.

Kooskooske, traders on, V, 233.

Kootenai (Arcs-à-plats, Flatbow, Kootenay, McGillivray), location, XXIX, 78; names, 202; Columbia tributary, VI, 348; sources, XXIX, 78; width, VI, 348; tributaries, XXIX, 202, 203, 212; portage, 209; mountains, 30; trading-post on, VI, 252; fort, XXIX, 59; North West brigade, VI, 348; Boulard, VII, 126; De Smet, XXIX, 195, 200; McDonald, VII, 210; described, XXIX, 41, 195, 200, 201, 212; sketch, 41.

Kyeyenem. See Snake, below.

Lamine (La Mine). See Mine, below.

Laramie (La Ramee), as a boundary, XXX, 65; trail, XXVII, 212; Cheyenne on, 160; trappers, XXI, 73; trading-posts, XXX, 60, 61; De Smet, XXVII, 162, 228; Wyeth, XXI, 181; sketch, XXVII, 160.

Leach, Chippewa on, XXVIII, 156.

RIVERS (continued)—

Leaf, trail, XXVIII, 152.

L'eau qui court. See Niobrara, below.

Lee's Branch, on Oregon trail, XXX, 277.

Lehigh (Lecha), confluence with Delaware, XXII, 89; breadth, 132; tributaries, 104; islands, 79; frogs, 102; navigation, 89; forests, 83; bridges, 78, 125; dams, 82, 134; settlements, 109; Mauch Chunk, XXV, 5; saw mills, XXII, 123; Allen on, 77; Franklin, I, 186; described, XXII, 77, 79, 85, 89, 118; view of, XXV, 34.

Lemhi, affluent of Salmon, XXI, 69; Lewis and Clark on, XXVIII, 318.

Levisa, confluence with Tug, XXII, 154.

Lewis (Louis). See Snake, below.

Lewis and Clark (Netul), XXVIII, 113; location, XXX, 198; Fort Clatsop on, VI, 259.

Liard, Indians on, XXIX, 232.

Licking, location, X, 237; width, IV, 256; salt on, 174; branches, III, 196, IV, 178, 179, 197; roads, III, 195, 196; bridge, IV, 173, XIX, 37; navigation, 37; in Revolution, IV, 177; rendezvous, XVIII, 30; Fort Washington, VIII, 265; settlements, XIX, 35, 37; arsenal, X, 237; Cumming on, IV, 172, 197; Flint, IX, 128; Logan, XVIII, 30; Maximilian, XXIV, 152; described, VIII, 281, IX, 146, X, 237, XVII, 105, 106.

Little, Ohio tributary, A. Michaux on, III, 82, 83.

Little (Ocatahoola), tributary of Red, XIII, 156; as a boundary, 306; location, XVI, 166; source, XIII, 155, 167, 287, XVII, 124, 125; branches, XIII, 146; navigation, XVII, 130, 131; settlements, 65, 127; Long Prairie, XIII, 147; Sparks, XVII, 76; described, 59-61, 76, 77; sketch, 51, 77.

Little, tributary of Wabash, XIX, 66.

Little Arkansas, as a boundary, XVI, 237; location, 246; Arkansas tributary, 244; sources, XVII, 140; tributaries, XIX, 205, XXVIII, 78; rise and fall, 73; crossing, 72, 73, 76; Indians on, XVI, 240; caravan camping site, XX, 93, 227; Bell, XVI, 239; Farnham, XXVIII, 72; Gregg, XIX, 207; sketch, XVI, 239.

Little Barren, A. Michaux on, III, 64; F. A. Michaux, 215, 221.

Little Bear (Yampah), confluence with Little Snake, XXVIII, 246; source, 230; current, 241; affluents, 247; forks, 238; Farnham on, 233-237, 247; described, 243-246; sketch, 233.

Little Bighorn (La Petite Grosse Corne), affluent of Yellowstone, XXII, 374.

Little Black, sketch, XVII, 37.

Little Blue (Hay Cabin Creek), location, XIV, 184; width, VI, 165, XXX, 277; course, 45; mouth, XXI, 142, XXII, 249; trail, XXI, 49, XXX, 46, 255; Kearny on, 45; Say, XIV, 183; Woods, X, 246; described, XIX, 67; sketch, XXX, 45, 46.

Little Brandywine (Pa.), view, XII, 176.

Little Calumet (Kenomic), head, XIX, 67.

Little Canoe. See Portage, below.

Little Chariton, location, XIV, 159.

Little Cheyenne, mouth, XXII, 334, XXIV, 87; direction, XXII, 334.

Little Colorado, Hopi Indians on, XVIII, 130; Pattie, 138.

Little Deschutes, sources, XXX, 129.

Little Dog, Astorian brigade on, VI, 385.

- Little Dry, named by Lewis and Clark, XXIII, 185.
- Little Guyandotte, IV, 150; width, X, 228; Croghan on, I, 132.
- Little Hockhocking. See Hockhocking, above.
- Little John. See Petit Jean, below.
- Little Kanawha, Ohio tributary, III, 181, V, 273; location, VIII, 262; width, X, 224; Croghan on, I, 130, 131; A. Michaux, III, 34; described, IV, 127; sketch, I, 130.
- Little Kenomic. See Little Calumet, above.
- Little Knife, described, XV, 59.
- Little Miami, as a boundary, IX, 119, XIX, 79, 80; location, X, 235; Ohio tributary, V, 273, VIII, 206; mouth, XXII, 155; quality of soil, IX, 184; Shawnee on, XIII, 59; Indian mounds, XIX, 84; ancient coin discovered, VIII, 272; emigrants, XIII, 50; Croghan, I, 134; described, IV, 255, IX, 300, 301, X, 235.
- Little Missouri (N. Dak.), sources, XVII, 193, XXIV, 87, XXVII, 226; mouth, XXII, 367, XXIII, 216, XXVIII, 110, 187; coal on, V, 243; Bad Lands, XXIII, 52, XXIV, 12; Indians, XXIII, 317; in Indian myth, 303, 337; Hunt on, V, 229; Laidlaw, XXIII, 226; McKenzie, 188.
- Little Missouri (affluent of Platte), XV, 199.
- Little Missouri (S. Dak.). See Teton, below.
- Little Missouri (affluent of Washita), XVII, 53, 124; earthquakes on, 90; as a boundary, 127.
- Little Muddy, on Oregon trail, XXX, 279.
- Little Muskingum, width, IV, 124, X, 223; Marietta on, IV, 123.
- Little Nemaha, as a boundary, XXVIII, 145; Missouri affluent, VI, 73; mouth, XIV, 217, XXII, 261, XXIV, 109; course, XIV, 217; width, VI, 165; half breeds on, XXII, 259; Hunt, VI, 66.
- Little Neosho. See Creeks: Walnut.
- Little North Fork. See Deep Fork, above.
- Little Osage, width, VI, 164; village on, 51; banks described, 50.
- Little Platte (Petite Rivière Platte, Little Shallow), as a boundary, XV, 135, XXII, 251; topography, XV, 185; divide, 180; Missouri tributary, XIV, 174, 175; width, VI, 165; course, XXVII, 227; tributaries, XV, 185; mouth, XXII, 253, 254; beavers, VI, 67; vegetation, XV, 196; trading-house, XXII, 258; Field's trace, XV, 179; Indians, XVIII, 40, XXII, 245, XXIV, 313; Maximilian, 116; described, XIV, 174.
- Little Red, sources, XVII, 25, 125, 225; coal, 223; settlements, 24, 127; Long on, 24; Swift and James, 83; sketch, 25.
- Little Red Elk. See Biche, above.
- Little Rock, as a boundary, XIII, 129, 132, 133.
- Little Saline (Petite Saline), course, XIV, 148.
- Little Sandy, Ohio tributary, IV, 159; salt springs on, XIV, 82; Indian mounds, XIX, 85.
- Little Sandy, on Oregon trail, XXX, 279; sources, 72; trail, 72; De Smet on, XXVII, 242; Palmer, XXX, 45, 71, 247; sketch, XXI, 187.
- Little Scioto, IV, 159; Woods on, X, 230.
- Little Shallow. See Little Platte, above.
- Little Sioux, mouth, XXIV, 105; tributaries, XIV, 78; taste, XXII, 332; as Indian boundary, XXIV, 315.
- Little Slave Lake, Christineaux on, VI, 365.

RIVERS (continued)—

- Little Snake, source, XXVIII, 258; game, 259; trappers, 239; described, 247, 248; sketch, 249.
- Little Spokane. See Cœur d'Alène, above.
- Little Tabeau, course, XIV, 165.
- Little Vermillion, tributary of Wabash, XIX, 66.
- Little Vermillion, on Oregon trail, XXX, 277. See also Vermillion, below.
- Little Wabash, as a boundary, X, 271; location, 269, XIX, 55; overflows banks, XI, 262; water-mills, X, 354; coal mines, 273; cattle, 336; settlements, 104, XI, 262; Carmi, X, 264, 328, 333; English Prairie, 270; Newhaven, 257; described, 257.
- Lolo Fork. See Creeks: Traveller's Rest.
- Longtonguebuff (Long Tom Bath, Lungtumlér), sketch, XXX, 177.
- Lost, originally Godin's Creek, XXI, 231; affluents, 236; Wyeth on, 242.
- Loup (Wolf), as a boundary, XIII, 88; topography, XV, 221; Platte tributary, V, 78; drainage, XIV, 211; source, XV, 238; tributaries, 141, 142; mouth, 203, XXII, 259; width, VI, 165; bison, XIV, 276; bottoms, XV, 149; quicksands, 218; Pawnee, XIV, 14, XV, 95, 144, 216, XVII, 99, 152, XVIII, 41; De Smet, XXVII, 228; Long, XIV, 181, 215, XV, 199, 201; O'Fallon, 143; Say, XIV, 211; described, 181, XV, 199-201, XVII, 136; sketch, XIV, 276.
- Loutre (Lute), Missouri tributary, XXVII, 228; De Smet on, 228; Palmer, XXX, 32; sketch, 32.
- Lowhum (Luhon). See Deschutes, above.
- Loyalhanna, bed, XIV, 54; described, XXII, 138.
- Luckiamute (Luckymute), described by Palmer, XXX, 175.
- Lungtumlér. See Longtonguebuff, above.
- McGillivray. See Kootenai, above.
- Mackenzie (Oregon), as a boundary, VI, 358; formation, 354; sources, XVII, 175; outlet, XXIX, 254; forks, 258; secondary formation, XVII, 243; Indians, XXIX, 171, 232; explored by Mackenzie, VI, 187, XVII, 236, 239, XXIX, 117; Thibault on, 231; traders' stories, XXVIII, 172; described, XXIX, 263.
- McLeod (McCloud), breadth, XXIX, 251.
- Macon, described, XVII, 59, 60.
- Mad. See Big Horn, above.
- Madison, as a boundary, XXIII, 96; divide, XXVII, 392; fork of Missouri, 224; confluence with Jefferson and Gallatin, VI, 28, 33; sources, XXVIII, 305; Lewis and Clark on, 110; De Smet, XXVII, 323, 392; Maximilian, XXIII, 138; sketch, XXVII, 323.
- Mahoning, confluence with Lehigh, XXII, 124, 125.
- Malade (Mallade, Rivière des Malades, Sick Men's, Wood), named, XXI, 244; course, 246; mouth, 314; tributaries, 245; railroad, 244; De Smet, XXVII, 228; Wyeth, XXI, 247; sketch, 244.
- Malheur, mouth, XXI, 265, XXVIII, 323; Meek on, XXX, 121; Palmer, 100, 243; Wyeth, XXI, 264; described, 264, XXX, 100.
- Malhominis. See Menominee, below.
- Maligne (Maline, Sturgeon), XIII, 209, XXIX, 250, 257; trade route, VI, 384; sketch, XXIX, 252.
- Mamelle, described, XVII, 124.
- Manchac. See Iberville, above.

Manito, Missouri tributary, XXVII, 228; mouth, XXII, 244; settlements on, 243.

Manuel (Rivière à). See Creeks: Emanuel.

Marais-des-Cygnés, sources, XX, 249.

Marguerite, location, VIII, 231.

Maria (Marayon), as a boundary, XXIII, 96; location, XIX, 54; sources, XXIII, 90, XXIX, 30; bed, XXIII, 93; tributaries, 94; color, 46; mouth, 84, 87, 138, 169; trail, XXVIII, 113; Assiniboin on, XXIII, 151-153; Blackfeet, V, 225, XXIII, 61, XXVIII, 264, 319; Kutenai, XXIV, 234; fort, XXII, 15; trading-post, XXIII, 91, 228, XXIX, 232, 233; De Smet, XXVII, 228, XXIX, 366; Lewis, VI, 371; Maximilian, XXII, 16; Mitchell, XXIII, 86; described, XXVII, 225; sketch, XXIII, 84.

Maringoin. See Des Moines, above.

Maropa. See Creeks: Rampart.

Marquette, origin of name, XXVII, 41.

Martha. See Big Muddy, above.

Mary's (Mouse), origin of name, XXX, 175; forks, 176; course, 167.

Mascutins. See Creeks: Macon.

Massasinway, head, XIX, 66.

Mattawa, Franchère on, VI, 397.

Maumee (Miami of the Lake), location, VIII, 205, 206, 208, 265; source, XIX, 66; islands in, I, 309; rapids, 151; inundations, VIII, 206; portages, I, 149, VIII, 207; swamps, 196; canals, XIX, 151, XXVI, 66; quality of soil, XI, 154; Indian boundary, II, 46; Indian lands, XIX, 81; Indians, I, 27, 139, XIII, 322, XXVIII, 136; forts, I, 122, VIII, 207, XXVII, 75; Duluth, II, 87; Croghan, I, 149; Morris, 321, 322, 325; Pontiac, 302, 304; described, VIII, 207, XVII, 110.

Maurepas. See Winnipeg, below.

Meathow. See Methow, below.

Medicine (Rocky), location, XXVII, 227, XXIX, 252; sketch, 252.

Melwakee. See Milwaukee, below.

Memby. See Mimbres, below.

Menominee (Malhominis), Indians on, VIII, 232.

Meramec (Maramec, Marameg, Maramek, Merameg, Merrimac, Mirramac), as a boundary, XIV, 106; signification of name, V, 246; sources, XVII, 36, 37, 44, 125, XXII, 241; tributaries, XVII, 36; inundations, V, 246; mouth, XXII, 212; stratification, XIV, 212; sandstone, XIII, 46; hills, VI, 155; mining, XXVI, 104, 105; lead mines, V, 252, XIV, 104, XVII, 41, 190, 217; silver mines, V, 248, XVII, 29, 30; fossils, V, 254; plants, 317, XIV, 107; grapes, V, 256; navigation, XVII, 131; Indian graves on, XIV, 114, 115; settlements, XVII, 127; pigmies, XV, 60, XXVII, 102, 103; Long, XIV, 135; Say and Peale, 114; astronomical observations, XVII, 262; described, XIV, 106, XXVI, 104; sketch, XXII, 215.

Merrimac, Ohio compared with, XXI, 39.

Methow (Meathow, Buttlemaulemauch, Salmon Falls), described by Ross, VII, 150; sketch, XXX,

93.

Miami. See Great Miami, above.

Miami of the Lake. See Maumee, above.

Michipicoton, location, II, 134; trading-post on, VI, 392.

Middle, branch of Missouri, XIV, 137.

RIVERS (continued)—

Miette, location, XXIX, 252; confluence with Athabasca, VI, 356; De Smet on, XXIX, 258.

Migne. See Creeks: Crooked.

Milieu, breadth, XXIX, 251.

Milk, as a boundary, XXII, 387, XXIII, 52, 63, 83, 84, 183; tributaries, 33; mouth, 185; bears on, 44; moose, 203; Indians, V, 225; Yellowstone expedition, XXIII, 227; "Flora," 47; sketch, XXII, 46.

Au Millieu. See Creeks: Lee's.

Milwaukee, topography, XVII, 110.

Mimbres (Membry), Pattie on, XVIII, 171, 176; country described, 176.

Mine (Lamine, La Mine), as a boundary, XVII, 122; Missouri tributary, XXVII, 228; tributaries, XIV, 162; mouth, XXII, 244; salines on, VI, 47, XIV, 82; Spanish-Indian skirmish, 152, 153; Say, 164; described, 164, XVII, 126; sketch, XIV, 162.

Mineral Fork, lead mine on, XXVI, 95.

Minnesota (Blue Earth, St. Peter's), as a boundary, XXVIII, 153; sources, XXII, 305, 342, XXVIII, 152; mouth, XXVII, 43, XXVIII, 108; lizards on, XXII, 210; granite, 384; pipe stone, V, 107, XXII, 321; productions, XXVIII, 155; wild rice, 154; explorations, XIV, 25; Indians, XXII, 279; Omaha, XV, 130; Sioux, XIV, 305, XXII, 341, 342, XXIII, 20, XXVIII, 153, 155; fur-traders, XXIII, 225; trading-post, V, 157; forts, 157, IX, 188, XV, 216; commerce on, V, 104; Carver, XXVIII, 155; De Smet, XXVII, 228; Descoteaux, XXIV, 92; Le Sueur, XXVII, 43; Long, XIV, 40, XXII, 219.

Miry. See Big Muddy, above.

Mississippi (St. Louis), as a boundary, III, 194, V, 198, 235, 271, 273, 310, VI, 153, 155, VIII, 65, 276, 290, 297, 299, 303, IX, 145, X, 268, XIII, 12, 133, 175, 216, 285, XIV, 37, 48, 69, 92, 104, 168, XV, 168, 177, 218, 278, XVI, 102, 276, XVII, 40, 58, 104, 105, 107, 109, 113, 116, 117, 120, 130, 140, 225, 236, XIX, 53, 64, 79, 173, XX, 256, 284, 297, 300-302, 317, XXI, 24, XXII, 19, 96, 146, 204, 217, 237, 251, 305, XXIII, 253, 390, XXIV, 125, XXVI, 128, 146, 256, 280, 329, 340, 347, XXVII, 42, 44, 50, 51, 60, 70, 77, 78, 81, 91, 107, XXVIII, 32, 47, 108, 124, 125, 129, 137, 138, 141, 143, 146, 153, XXX, 19, 186; climate, VIII, 267, IX, 175, XXIII, 238; unhealthy, IV, 307, 321, 322, XIII, 299, XVII, 82; cholera on, XXII, 127; topography, VIII, 305, XIV, 87, 95, 98, 101, 102, XV, 172, 173, XVII, 117-122; elevation, 86, XXVII, 109; watershed, IV, 68, XVII, 60, XXIII, 244; drainage, V, 236-238, XIV, 48, XVI, 166; distance from Pacific, V, 240; Kaskaskia, X, 326; Natchitoches, XVII, 67; Pittsburg, XXI, 39; compared with Ohio, V, 274; with Nile, VIII, 315; signification of name, V, 236, XXVI, 107; called St. Louis, XXVII, 40; how formed, VIII, 313; sources, 235, XVII, 175, 176, XIX, 46, XXIII, 190, XXVI, 73, XXVII, 190, 212, XXVIII, 152, 156, 284; bed, V, 245, XIV, 97, 123, XVII, 121, XXVI, 110, XXVII, 117; channel, IV, 263, 296, 301, 304, 367, 368, 370, V, 203, 207, VIII, 356, XIII, 81-83, 89, 92-95, 307, 312, XIV, 121, 122; course, III, 80, IV, 303, 346, V, 239, XIII, 92, 93, 99, XXII, 238, XXVII, 99, 109; current, VIII, 344, XIII, 74, 80-83, 86, 87, 89, 93, 94, 100, 297, 298, 321, XIV, 86, 87, 92, 94, 96, 99, 101, 106, 109, XVII, 178, XXVI, 90, 103, 161, 296, XXVII, 110; rapidity of, VIII, 257, 313, XIV, 218; character of water, IV, 279, VI, 157, VIII, 305, XIV, 110, 180, XXVI, 266, XXVII, 103; used for drinking purposes, VIII, 344, XXVI, 154; temperature of, XIII, 95, 96; color, XIV, 106, 121, 122, XXIV, 131, XXVI, 116; length, V, 236, 237, XVII, 177, 178, XIX, 48; width, IV, 280, 308, 329, 344, VIII, 344, XIII, 173, 321, 334, XXVI, 109, 110; depth, IV, 369, V, 238, 239, XIII, 75, 318; volume, V, 238, 239, XXVI, 264, 265; inundations, III, 35, IV, 296, 297, 309, 312, 349, 366, 367, VIII, 309, 350, 351, XIII, 72, 87, 93, 95, 99, 102, 169, 299-301, 311, 313, 337, XIV, 84, 87, 92, 101, 102, 110, 123, XVII, 60, 120, XXVI, 96, 97, 149, XXVII, 76, 89; tributaries, III, 192, IV,

326, 327, V, 107, 244, 266, VIII, 235, 291, 296, 304, 315, 317, 328, 329, X, 269, XI, 281, XIII, 88, 288, 308, 312, 323, 325, XIV, 95, 129, 159, XVI, 141, XVII, 26, 36, 38, 59, 61, 77, 110, 122, 125, 129, 151, 187, XVIII, 9, XIX, 54, XXI, 37, 54, XXII, 212, 215, XXVI, 48, 88, 163, 178, 260, 265, XXVII, 71, 117, 227, XXVIII, 116, 152, 153, XXIX, 233; Arkansas, XIII, 96, 100, XVI, 157; Illinois, VIII, 291, IX, 190, XII, 211; Kaskaskia, XIX, 59, XXVII, 69; Missouri, XIV, 144, 180, XV, 231, XVII, 36, 86, 104, 114, 136, 187, 227, 234, XVIII, 32, 33, XIX, 62, XXVI, 115-117, XXVII, 224; Ohio, III, 164, X, 268, 327, XIV, 92, 93, 98, XV, 236, XVII, 95, XIX, 30, 38, 44, XXII, 204, XXVI, 47, 54, 79-81, XXVII, 75; Red, XIII, 335, XVII, 77, 243; White, V, 246, XIII, 98, XVII, 25, 27; Wisconsin, VII, 178, XVII, 190; bayous, IV, 297, V, 238; falls, XVII, 179, 258, XXVII, 109; islands, IV, 280, 281, 283, 290, 291, 295, 296, 299, 301, 305, 359, VI, 46, VIII, 309, 313, XIII, 77-81, 89, 92-94, 97, XXVI, 94, 116, 271, XXVII, 22; rapids, XXVI, 137, 138; whirlpools, IV, 309, 356, 359, 360; obstructions, XIV, 85, XXVI, 58, 113, XXVII, 110, 111; dams, XXVI, 125; dikes, 161; ice, XIII, 71, XIV, 85, 92, 93, 109, XXIII, 240; mill-races, IV, 368; sand bars, 284, 295, 299, XIII, 143, 298, XIV, 84, 85, 88, 89, 92, 109, XVII, 172, 174, 226, XXVI, 161; sawyers, IV, 356, V, 200, 201, 211, VIII, 59, 301, XIII, 74, 79-81, 83, 84, 92, 96, XIV, 100, XXI, 42, 46, 47; mouth, XVII, 60, 178, XIX, 46, 47, 50, 122, 131, XXVI, 146, XXVII, 40, 74, 117; storms on, VIII, 302, 331; hurricanes, 318, X, 259; earthquakes, V, 15, 204-211, VIII, 59, 302, IX, 247, XI, 181, XIII, 77, 81, 85, 91, XVII, 89, 242, XXVI, 63, 110; fish in, III, 80, IV, 330, XXII, 187; cat-fish, XIII, 326, XXI, 135; crawfish, VIII, 350; sturgeon, XXIII, 94; geological formation, XIII, 300, 306-308, XVII, 87, XXVI, 90, 233, XXVII, 109, 110; argil, XVII, 225-227; flint, 235; limestone, V, 253, XVII, 219, XXVI, 102; secondary rocks, XIV, 88, XVII, 243, 250; slate-rock, 229; white rocks, 87; stone quarries, XXVI, 147; coal beds, V, 248; fossils, XXVI, 146; minerals, XVII, 232; lead mines, XXVI, 95, XXVII, 43, 93; character of country, X, 320; bluffs, IV, 308, 329, 351, XVII, 121, XXVI, 273, 274, 284; bottoms, XIV, 101, XVI, 132, XVII, 113, 114, 117, 120-122, 243, XIX, 57; hills, IV, 308; mountains, XVII, 216; prairies, V, 56, X, 270, XVII, 110; swamps, IV, 345, 346, 351, XI, 186, XVII, 120, 121; country described, IV, 303, V, 203, VIII, 302, XIII, 76-78, 82, 87, 90, 294-300, 312, 323, 326, 328, 330, 331, 333, XIX, 130, 131, 143, XXIV, 131; chalk banks, IV, 280; iron banks, 280, XIV, 86; bends, VIII, 350, XIII, 296, XXII, 208; points, XIII, 132; Grand Tower, XVI, 175; Tower Rock, XXV, 9; size of trees, XIII, 87; forests, XIV, 125, XVII, 63, XXVI, 259; cottonwood, VIII, 314, XVI, 178, XIX, 298; live-oaks, VIII, 316; pawpaws, XVI, 184, XXII, 148; poplars, XVI, 178; sycamores, XXVI, 180; vegetation, XVI, 164, 168, 176, 177, XIX, 120, 121; plants, V, 239, 317-320, VIII, 330, XIII, 97, XIV, 91, 94, 128; canebrakes, III, 231, 303, VI, 39; rice lakes, XXVI, 266; moss, VIII, 318; antelopes, XX, 276; beaver, XV, 236; bees, V, 58; bison, III, 234; buffaloes, XV, 245, XX, 265; cranes, XXI, 125; flies, VIII, 331; hawks, XV, 318; mosquitoes, IV, 287, VIII, 305, 331, XIII, 220; turkey buzzards, X, 239; Indians, I, 169, II, 28, V, 225, 271, VI, 58, 60, 310, VIII, 307, IX, 138, XI, 263, XIII, 73, 116, 117, 125, 179, 258, 259, 296, 319, 331, 333, 343, 351, 353, 357, 358, XIV, 95, 314, 316, 317, XV, 131, 132, XVI, 48, 53, 171, XVII, 163, XVIII, 31, XX, 292, XXII, 178, 217, 305, 306, XXIV, 127, XXVI, 123, 153, XXVII, 35, 118, 160; Cherokee, XIII, 177, 190, XVII, 20; Chickasaw, IV, 292, XIII, 123; Choctaw, 306; Coshatta, XVII, 70; Creeks, XIII, 305; Iowa, XV, 133; Omaha, V, 86; Quapaw, XIII, 119, 121; Sauk, XXI, 122, XXVIII, 134; Sauk and Foxes, V, 252, XIII, 247, XV, 185, XVII, 155, XVIII, 33, XXII, 225, XXVIII, 141; Shawnee, XIX, 196; Sioux, XXII, 278, 279, 309, XXIII, 111, XXVI, 291, XXVIII, 152, 155, 156; Winnebago, XXIV, 313; Wolf, V, 78; discovery, XVIII, 85; earliest explorers, V, 235, XIX, 47, XX, 297, XXVII, 35, 44; Jolliet and Marquette, IX, 186, XIV, 96, 104, XIX, 45, XX, 333, XXVII, 41; early explorations — Alvarado, XIII, 334-338; Bienville, 359; Charlevoix, 116; De Soto, IV, 289, XIII, 320, 327, 334, 337, XXVI, 231; Hennepin, XIX, 47, 50, 218, XXVII, 38; La Salle, IV, 289, XIII, 117, XX, 339, XXVII, 39, 40; Lahontan, II, 28; Le Sueur, XXVII, 42; St. Cosme, III, 80; Tonti, XIII, 111, 118, 140; French on, I, 172, III, 71, 72, 216, VIII, 327, X, 326, XIII, 361, XIX, 50, 51, XXIV, 111, XXVI, 134; Spanish, XXII, 310; French control, III, 71, 72; French settlers, IV, 148, XXII, 238; French fortifications, III, 69, 70, XXVII, 43, 74, 75, 86, 90;

RIVERS: *Mississippi* (continued)—

English control, 88; American posts, VI, 51; traders, I, 327, II, 181, VI, 51; fur-trading, V, 262, VII, 177, XXVI, 146; early settlers, IV, 12, 13, 24; emigration, III, 18; roads, XIII, 295, XVII, 32, 92, XXVI, 258, 260, 360, XXVII, 119; settlements, IV, 8, 323, 356, 358-361, V, 258, XIII, 307, 308, 311, 313, XIV, 99, 100, 104, XVII, 119, XIX, 45, 61, XXI, 92, XXVI, 96, 128, 129, 144, XXVII, 23, 45; Bainbridge, XVII, 217; Baton Rouge, IV, 340, VIII, 329; Bellefontaine, XVIII, 32; Cahokia, XIX, 60; Cap-au-Gris, XVIII, 32; Cape Girardeau, XVII, 11, 39; Jackson, 39; Jefferson Barracks, XXI, 122, XXVI, 175; Kaskaskia, IV, 147, 274; Natchez, VIII, 319; New Madrid, 303, XV, 57, XVII, 38; New Orleans, VIII, 337; Portage des Sioux, V, 222; Ste. Geneviève, IV, 106; St. Louis, V, 261, VIII, 297, IX, 187, X, 254, 327, XIX, 63, XXVI, 151; commerce and navigation, III, 18, 145, 158, 159, 165, 166, 191, 252, 335, 339, IV, 13, 126, 166, 265, 280, 282, 288, 289, 352, V, 25, 199-201, 203, 204, 207, 208, 271, VI, 162, VIII, 10, 59-61, 257, 269, 284, 293, 294, 311, 339, IX, 210, 211, 286, X, 208, 223, 248, 269, 326, XI, 143, 147, XII, 28, 258, XIII, 74, 75, 77, 80, 82, 83, 89, 92, 93, 291, 317, XIV, 20, 76, 85, 86, 97, 99, XVII, 171, 172, XIX, 11, 122, 127, 129, XXII, 216, XXIV, 159, XXVI, 12, 82, 89, 90, 93, 94, 149; free navigation dispute, III, 12, 13, 19, 39, 44, 45, V, 271, VI, 162; boats on, IV, 361, VII, 180, VIII, 313, 314, XIV, 44; accidents to, XXVI, 57, 58, 99; arks, VI, 151; flatboats, XXVI, 61; steamboats, V, 263, IX, 59, 86, 154, 164, 286, XI, 197, 198, XVII, 88, 89, XIX, 41, XXIV, 190; first, XXVI, 64; largest, XXIV, 132; ship-building, III, 161; public lands, IV, 91, IX, 187, XIX, 61, XXVII, 47; arsenal, XXVI, 173; cattle market, XIII, 311; ferry, XXVI, 295; garrison, 176, 180; levees, IV, 358, XIII, 311, XIX, 130; robbery, IV, 269, XIII, 295, 296, XXVI, 149, 150; sugar culture, V, 264; warehouses, XXII, 216; Bradbury on, V, 11, 197, 272; Bullock, XIX, 115, 119, 120; Buttrick, VIII, 59; Cuming, IV, 8, 279, 319, 338; Evans, VIII, 12, 223, 307, 331; Farnham, XXVIII, 14; Flagg, XXVI, 12, 87, XXVII, 93; Lewis and Clark, XVIII, 9; J. Long, II, 188, 190; S. Long, XIV, 13, 37, 40, 93, XV, 189, XVII, 306; Maximilian, XXII, 13, 127, XXIV, 124; A. Michaux, III, 74, 103; Nuttall, XIII, 13, 74-96, 293; Pattie, XVIII, 322; other travellers, I, 147, III, 188, V, 87, 253, VI, 253, VII, 178, VIII, 280, X, 126, XI, 39, 116, XIII, 294, 309, XIV, 13, 114, XIX, 161, XXI, 45, XXVI, 95, 165, 193; "Metamore," XXIV, 130; "Warrior," XXII, 228; "Western Engineer," XIV, 11, XV, 190, XVII, 84, 97; population, III, 240, IV, 308; astronomical observations, XVII, 262; thermometric, XV, 216; improvements, XIV, 109, XXVI, 57; maps, XVII, 179; described, IV, 24, 282, 288-291, 299-309, V, 13, 253, 254, VIII, 329, XIX, 44, XXII, 204-212, 215, 238, XXVI, 13, 82, 83, 87, 89, 94, 107-112, 120-122, 161, 201, 267, 268, 298, 299, XXVII, 22; compared with Missouri, XXVI, 267, 268; with Ohio, 94; *Navigator*, XVII, 89; *River Commission Report*, XIX, 131.

Missoula, origin of name, XXVII, 300; divide, 335; how formed, 281; tributaries, 332, XXIX, 174; De Smet on, 309.

Missouri (Mad River, Mother of Floods, Smoky Water), XXII, 245, XXIII, 94; as a boundary, V, 263, XIV, 104, XV, 188, 251, XVI, 83, XVII, 113, 117, 120, 125, 148, 172, 175, 177, 232, XVIII, 348, 349, XIX, 161, XXI, 22, 50, XXII, 225, 251, 266, 305, 387, XXIII, 14, 46, 63, 83, XXIV, 85, 125, 315, XXVI, 278, 280, XXVII, 153, 214, XXVIII, 117, 134, 144-146, 152, 187, 295, XXIX, 224, 380, XXX, 19; topography, XIV, 137, 144, 145, 147, 160, 180, 211, XV, 182, 187, XVII, 117-119, 122, 123, 189; divide, XIV, 217, XXIII, 244, XXVII, 369; climate, V, 158, XXII, 386, XXIII, 236-240, XXIV, 54, 69, 88, 93; climatic phenomena, XIII, 286; fogs, XIV, 263; compared with Ohio, VI, 69, XXI, 39; with Mississippi, XXVI, 94; formation of, VI, 28; Mississippi tributary, 157, VIII, 235, 291, 296, X, 269, XIV, 121, 122, 144, XV, 173, XVI, 177, XVII, 36, 178, 187, XVIII, 32, XXVI, 109, 112, 115-117, 202; source, VI, 77, XVII, 236, XVIII, 143, 332, XXI, 53, 54, 184, XXIII, 138, XXVI, 266, 267, XXVII, 137, 212, 250, 327, 380, XXVIII, 150, 272, XXIX, 30, 40, 288, 341; size, XVII, 129, XXVI, 109; length, XIX, 62; depth, XIV, 180, 220, XXIII, 47; width, V, 59, 188, VI, 47, 50, 66-69, 75, 79, 85, XIV, 180, 274, XXI, 231, XXII, 238, 341, 373, XXIII, 56, 81; volume, XXVI, 264, 265; character of water, XIV, 97, 284, XXII, 250, 265, 386, XXIII, 240, XXVII, 102, XXX, 127; color, VI,

372, XIV, 122, XXIII, 46, 61, 84; turbidity of, XVII, 113, 114, XXVI, 268; used for drinking purposes, XXIV, 36; inundations, V, 69, 92, 155, VI, 151, XIII, 169, XIV, 121-123, 125, 128, 149, 153, 173, 219, XV, 137, 180, XVII, 131, XXII, 240, XXIII, 237, XXVI, 266; rise and fall, XVII, 282, 284, 286, XXII, 338, XXIV, 46, 81; bed, XIV, 123, 124, 149, 179, 222, XVII, 192, XXII, 257, 283, 341, XXIII, 48, 222, XXVI, 276, XXIX, 371; channel, VI, 37, 54, 55, 81, XIV, 146, 149, 159, 160, 175, 217, XXII, 247, 330, XXIII, 33, 85; course, V, 190, VI, 77-79, 81, 87, 132, 133, XIV, 179, XVII, 216, XXII, 238, 280, 291, 372, 373, XXIII, 59, 64, 93, XXVI, 269, XXVII, 109; great bend, V, 110, 184, VI, 98, 147, 165, 166, XXII, 16, 275, 312, 368, XXIII, 47, 92, 137, 242, XXIV, 93, XXVI, 111, XXIX, 370; long reach, VI, 68, 69, 73, 79, 149; current, 33, 36, 38, 53, 55, 77, 78, 84, 87, 89, 93, 148, XIV, 125, 127, 146, 157, 160, 168, 174, 180, 185, 217, XV, 136, XVII, 178, 179, 258, XXII, 238, 248, 249, 339, 368, XXIII, 28, 175; rapidity of, XIV, 218, 278, 279; tributaries, V, 37, 45, 96, 126, 127, 183, 229, 240, 241, VI, 72, 79, XIV, 48, 51, 78, 136, 137, 140, 160, 162, 164, 211, 216, 217, 219, XV, 174, 178, 185, 194, 229, 230, 252, 279, XVI, 211, XVII, 36, 126, 131, 136, 151, XVIII, 33, 141, XIX, 62, 63, XX, 251, XXI, 46, 57, 77, 146, XXII, 29, 33, 34, 46, 48, 58, 66, 69-71, 82, 84, 138, 185, 186, 233, 248-251, 253, 256, 265, 285, 302, 313, 337, 342, 357, 367, 369, 372-374, 381, XXIV, 87, 105, 123, 126, XXVI, 260, XXVII, 156, 175, 177, 220, 228, 323, XXVIII, 53, 56, XXIX, 271, 343, 366, XXX, 32; confluence with Gasconade, XIV, 137; Kansas, V, 242, XIV, 174, XXVIII, 136, 137; Platte, XV, 130, 238, XVII, 150, 212, XXVIII, 145; Yellowstone, IX, 165, XXI, 83, XXVI, 16; three forks, VI, 28, XXIII, 138, XXVI, 16, XXVII, 176, XXIX, 341; mouth, XIV, 101, XVII, 86, 89, 104, 105, 114, 178, 258, XIX, 54, 62, 63, XXII, 241, 293, 296, XXIII, 222, XXVI, 110, XXVII, 39, 43, 109, XXVIII, 111, 114, 141; falls in, VI, 138, XVII, 258, XXIII, 92, XXVII, 379, XXVIII, 264; rapids, VI, 86, 87, 93, XIV, 146, 172, 173, XXIII, 67; islands, V, 93, VI, 34-36, 38, 39, 46, 51, 53, 55, 74, 110, 111, 147, 165, 166, XIV, 146, XXII, 238, 249, 253, 265, 294, 312, 314, 337, XXIII, 39, 65, 84, 93, XXIV, 108, XXIX, 363; Cedar Island, V, 99, VI, 99, 164; Fire Prairie, 164; Ibar, 54; Loutre, XVII, 234; Wizard, VI, 54; sandbars, 46, 54, 66-68, 73, 74, 81, 84, 86, 88, 156, XIV, 122, 125, 160, 174; snags, V, 57, VI, 37, 38, 43, 52, XXI, 46, XXII, 239, 246, 247, 249, 252, 255, 276, 290, XXIII, 180, 182, XXIV, 99, XXV, 39; quicksands, XXII, 251; ice, XIV, 277, XXII, 386, XXIII, 28, 47, 209, XXIV, 17, 22, 49, 61, 66, 77-79; date of freezing, XXIII, 239, XXIV, 16, 19; storms on, XXII, 261, 262, 295, 300, XXIV, 81; earthquakes, XXIII, 237; tornado, V, 15; geological formation, 241, XIV, 161, XVI, 141, XVII, 212, XXII, 239, 251, 252, 254, 261, 264, 265, 276, 295, 296, 301, 302, 312, 313, 331, 338, 364, 365, 372, 376, XXIII, 26, 52-56, 61, 65, 71, 75, 77-82, 193, 212, 241, 242; primitive rocks, IX, 122; secondary, XVII, 238; native argil, 237; clay formations, XXII, 323; cornelian, XIII, 143; limestone, VI, 139, XIV, 211, XVII, 221, XXII, 213; pumice, V, 165; sandstone, XIV, 224, XXII, 338, XXIX, 366; minerals, XVII, 215; fossils, V, 44, XXIII, 219, 242, 243; petrifications, XIV, 227, 228; shells, XXIII, 57, 181; volcanoes, XIV, 284, XVII, 209; volcanic fires, XVI, 78; coal, V, 102, 243, XIV, 161, XXII, 364, XXVI, 263, XXIX, 229; burning coal beds, VI, 156; iron, V, 243; salines, XX, 244, XXIII, 194, XXVI, 346; hot springs, XXII, 291; character of country, XVI, 160, XVII, 35; bottoms, VI, 34, 36, 39, 45, 47, 49, 50, 52, 70, 71, 78, 81, 84, 102, 104, 105, 108, 133, 140, 147, 150, 151, XV, 170, XVII, 117, 118; pastures, XXIII, 162; plains, VI, 85, 92, 104, XVI, 159, XX, 249, XXIII, 42; prairies, X, 270, XIV, 158, 213, XIX, 209, XXIII, 42, 245, XXIV, 125; Fire Prairie, XIII, 236; Osage Prairie, 235; deserts, XV, 251, 311; yellow banks, VI, 81, XIV, 179; bluffs, V, 85, 150, VI, 85, 108, 147, 148, XXVI, 273, 274, XXVII, 110; Alum, VI, 165; Calumet, 166; Cobell, 165; Copperas, 165; Floyd, 165; Hot or Burning, 166; hills, 133, 137, 148, 156, 157, XV, 240, XVII, 176, XXIII, 54, 279; mountains, XVII, 190; country described, V, 47, 50, 52, 70-73, 101, 102, 118, 120, 121, 123, 146, 147, 154, 155, VI, 34-148, VIII, 297, IX, 191, XIV, 123, 127, 136, 156, 179, 219, 220, 229, XVI, 244, XVII, 232, XVIII, 39, XXI, 135, XXII, 238-383, XXIII, 27-244, XXIV, 21-45, 100-122, XXVI, 297, XXIX, 406, 407; vegetation on, VI, 84, 108, XIV, 156, 162, 163, XV, 215, XVI, 176, 177; plants, V, 25, 42, XIII, 158, XIV, 128, 129, 140, 141, XV, 44, 188, 219, 223, 249, 273, XXIII, 171, 244, XXIV, 326-344; catalogue of

RIVERS: *Missouri* (continued)—

plants, V, 317-320; forests, XIV, 125, 157, 173, XV, 170, XVI, 246, XXIV, 111; ash trees, V, 72; linden, XIV, 125; pawpaw, XVI, 184, XXII, 148; plane, XXIV, 105; poplar, XXII, 205; timber scarce, XV, 166, 167, 240, XXIII, 241; animals, XIV, 247, XXIII, 245-251; antelope, VI, 103, XV, 242, XXIII, 199, 215, 246; bears, XVI, 146, XXIII, 44, 45; beavers, XXII, 334; bison, XV, 248; buffaloes, V, 186, XXII, 300, 382, XXIII, 37, 345, XXVI, 279, 280; deer, XIV, 215, XXIII, 46; dogs, XXIV, 51; ducks, 76; pelicans, 97; prairie cocks, XXIII, 50; prairie dogs, XV, 222; rats, 169, XXII, 297; snakes, 263, 365; squirrels, XIV, 182, XVI, 152; turkeys, XXII, 297; waterfowl, VI, 52; wolves, XVI, 251, XXII, 168, XXIV, 44; birds, XXII, 19, XXIV, 119, 124; cliff swallows, XV, 281; robins, 281; snow buntings, XXIV, 17; sparrows, XIV, 214, 215; whippoorwills, XXII, 386; woodpeckers, XXIII, 319; fish, XXII, 264, XXIII, 94; insects, XIII, 183; bees, V, 58, XXIV, 110; fireflies, XIV, 135; mosquitoes, VI, 132; moths, XXIII, 12; Indians, IV, 54, V, 49, 134, 175, 176, VI, 69, 88, 93, 99, XIII, 119, 125, XIV, 78, 199, 221, 266, 316, 317, XV, 47, 58, 76, 132, 134, 256, 285, XVI, 110, 118, 163, 203, XVII, 151, 154, XXII, 18, 178, 222, 234, 259, 276, 305, 306, 325, 326, 354, 359, XXIII, 15, 16, 18, 97, 102, 104, 164, 224, 351, 390, XXIV, 47, 111, 126, 162, 221, XXVII, 175, 188, XXVIII, 270; Arikara, V, 10, 127, VI, 166, XV, 141, XXII, 333, 335, XXIII, 230, 386, 387; Assiniboin, XXVII, 183; Bannock, XXVIII, 319; Blackfeet, V, 225, VI, 28, XXIII, 96, 141; Cheyenne, 315, XXVII, 161; Flatheads, 380; Iowa, XV, 132, XXIV, 313; Kansa, XXII, 252, XXVIII, 139; Kickapoo, 140; Mandan, V, 114, VI, 253, XXII, 349, 350, XXIII, 253, 254, 313, 317, XXVII, 150; Minitaree, XVI, 215, XXIII, 367, 370, 375; Missouri, V, 80, XV, 133, XXI, 122; Omaha, V, 74, VI, 50, XIV, 307, 311, 319, XV, 91, 130, XXII, 268, XXVIII, 147; Oto, V, 74, 226, XV, 132, XXIV, 313, XXVIII, 146; Padouca, XVI, 212; Ponca, V, 96, XXVIII, 147; Sauk, XXII, 236; Shoshoni, VI, 340; Sioux, V, 90, 92, VI, 104, XXII, 302, 305, 309, 342, XXIII, 231, XXVII, 136, XXVIII, 153, XXX, 60; Teton, V, 36; physical appearance of Indians, XXIV, 262; Blackbird's Hill, VI, 81, XIV, 317, 318; Indian mounds, 114, XXIV, 126, XXVI, 117; in Indian folk-lore, XXIII, 306, 307, 338; Indian traditions, 380-382, XXVII, 35, 36; explorations, VI, 23, 27, 31, VIII, 296, XXI, 21; Nicollet, XXVII, 190; Marquette, XIV, 96; hunting and trapping, V, 124, VI, 62, 152, 339, XVIII, 34, XXII, 35, 343, XXIII, 203; fur trade, V, 262, VII, 37, 177, XIV, 160, 310, XVI, 281, XVIII, 9, XXII, 233, 234, 316, 345, 378, 379, XXIII, 198, 228, XXVI, 146; traders, V, 93, 104, VII, 180, XV, 30, 193, 201, 244, 282, XXII, 250, XXVIII, 179; Astorians, V, 35-37, VI, 189, 253, 268; Dorian, 284; Crooks, V, 43, 73, VI, 71, 83, VII, 178; Lisa, V, 97, VI, 10, 139; McKenzie, XXII, 235; Stuart, VII, 226-228; American Fur Company, XXIII, 228; Missouri Fur Company, VI, 28, 29; trading-posts, V, 97, 184, VI, 138, XIV, 221, XVII, 154, XVIII, 10, 38, XXII, 14, 33, 34, 317, 373, XXIII, 198, 217, XXIV, 14, 116, XXVII, 145, XXIX, 370; forts, I, 138, V, 56, XIV, 9, XV, 130, 133, XVIII, 32, XXII, 236, 376, XXVI, 176, XXIX, 233; Fort Bellefontaine, XXI, 122; Mandan, XIII, 183; Orleans, XVI, 212; Union, XXIV, 317; French control, III, 72; Spanish troops, XXVI, 117; United States troops, XIV, 71, 96, 175, 178, XV, 202; commerce and navigation, V, 52, 53, 57, 70, 92, 93, 101, 103-105, 107, 122, 190, VI, 35-136, X, 208, XIV, 20, 122, 129, 159-161, 174, 217-219, XV, 202, 231, XVII, 171-173, XIX, 188, 189, XX, 250, XXII, 216, 237, XXIII, 25-30, 32, 59, 180, 182, XXIV, 101, 105, 121, XXVI, 265, 266, XXVII, 194, XXIX, 62; pilots, XXII, 251, XXIV, 101; Americans on, III, 192, XVIII, 350, XXIV, 84; emigration, IX, 164, X, 327, XIV, 145, XXX, 58, 261; first white woman, XIV, 280; settlers, 149, XXII, 238, 239, XXIII, 383; Mormons, XXIV, 119, XXVIII, 47, XXIX, 371; impediments to settlements, XXIII, 241; settlements, IX, 247, XI, 154, XIV, 12, 134, 137, 146, 158, 169, 170, XVI, 278, XVII, 126, XVIII, 332, XXIV, 122, XXVI, 261; Boone's Lick, V, 51; Chariton, XVIII, 37; Council Bluffs, XVII, 256, XVIII, 329, XXVI, 176; Franklin, XIX, 188; Portage des Sioux, V, 222; Rocheport, XXI, 133; St. Andrews, V, 41; St. Charles, XVIII, 332; St. Ferdinand, V, 248; ship-building, III, 160; boats, VI, 28, XXIX, 62; ferries and ferry boats, XIV, 162, XX, 97, XXIV, 124, 126; keel boats, 146; first steamboat, XXI, 46; steamboats, X, 78, XIV, 96, 159, XXIII, 25; "Assiniboin," XXII, 363, XXIII, 242;

"Oto," XXIV, 117; "Western Engineer," XIV, 11, XV, 190, XVII, 97; "Yellowstone," XXII, 14, 231; college, XXVI, 279; railroad, XXII, 20, XXIX, 30; missions, 166, 234; grave, XXVI, 270, 271; highway robbery, VI, 50; Bradbury, V, 11, 25, VI, 64, 189; Brackenridge, 29; De Smet, XXVI, 17, XXVII, 148, 150, 154, 400-402, XXVIII, 16, 18, XXIX, 366; Farnham, VII, 186, 211, XXVIII, 75; Flint, XVIII, 25, 26; Hunt, V, 38, 228, 230, XV, 237; Lewis and Clark, V, 87, VI, 187, VIII, 296, XI, 263, XIV, 124, XXI, 21, 80, XXVII, 268, XXVIII, 263; Long, XIV, 14, 17, 37, 40, 121, 127, 132, 221, 250, XV, 172, 177, 189, 193, 203, 213, 228, 255, XVI, 26, 135, 226, XVII, 95, 96, 266, XXII, 243; Maximilian, 10, 12, 16, 17, 231, 274, XXIII, 63, 165, 167, 169, 192, 198, 223, XXIV, 20, 63, 93, 116; A. Michaux, III, 12, 14, 94; Nuttall, XIII, 46, 235; Palmer, XXX, 33; Pattie, XVIII, 17, 38; Wyeth, XXI, 46; other travellers and explorers, V, 44, 45, 75, 178, 196, XI, 221, XIV, 13, 125, XV, 164, 165, 170, XVI, 49, XVIII, 171, XXIII, 23, 132, 189, XXVI, 265, XXIX, 406; population, III, 192, XIV, 149, 161; astronomical observations, XVII, 262; meteorological, XXII, 19, XXIV, 85, 113, 318, 319; thermometric, XV, 216; described, XIV, 97, XIX, 62, XXIII, 40, 41, 66, XXVI, 263-265, 267, XXVII, 175, 224-228, XXVIII, 109, 110, XXX, 31; survey, XIV, 168; maps, V, 37, 110, XXII, 236, 239; views on, XXV, 17, 18, 21, 39.

Mobile, Indians on, XIII, 179, 356, 357, XXVI, 231; Fort Stoddard, VIII, 312.

Mohave, mouth, XVIII, 131.

Mohawk, tributary of Hudson, VIII, 180; course, XXIV, 184; fords, 186; islands, 187; affluents, 185; Indians on, I, 167, II, 44; fort, 50; Great Western Turnpike, VIII, 118; commercial highway, II, 49, VIII, 249, XIX, 26; Johnson's concession upon, II, 125, 126; Caughnawaga, VI, 380; German Flats, XXIV, 185; Buttrick, VIII, 89; Long, II, 210; country described, VIII, 179, XXIV, 187.

Moingona. See Des Moines, above.

Molalla (Pole Alley), described by Palmer, XXX, 177, 178.

Monocasa, country described, XXII, 80; road, 85.

Monongahela, IX, 96; origin of name, IV, 91; Allegheny tributary, III, 156, IV, 91, VIII, 245, 247, X, 217, XIV, 56, XIX, 25, XXI, 37, XXII, 139, XXVII, 91; source, III, 161, IV, 91, XIV, 49; size, IV, 92; width, 252; character of water, III, 163; inundations, 28, 29, XVII, 112; color, IX, 90, X, 38; course, III, 161; fish in, 189, IV, 91; coal on, III, 30, 335, VIII, 248, X, 37; navigation, III, 162, 334, 335, XIII, 45, XXI, 36; ferry, III, 346, X, 217; bridges, 217, 218, XII, 19, XIII, 45; road, IV, 251, X, 215; Indians on, I, 24; English traders, 95; French, IV, 242; forts, I, 93, VIII, 247, XI, 166, XIX, 28; settlements, III, 32, 158, 162, 334, XIX, 28, 29; Braddock's Field, VIII, 254, XIX, 29; Brownsville, X, 215; Grant's Hill, XIII, 46; Pittsburg, VIII, 248, IX, 82, X, 36; Redstone, IV, 96; glass manufactory, 246, 253; ship building, III, 160; Clark on, XXVII, 88; Cumming, IV, 88; Eckerlin, I, 62; Flint, IX, 90; Harris, III, 334; F. A. Michaux, 155, 166, 169; Trent, I, 56; Welby, XII, 283; Wyeth, XXI, 37; population, III, 32; thermometrical observations, 375; described, 334-338, IV, 75, 241, 252, VIII, 254, 255, IX, 83, XIV, 54, XVII, 105, 106; compared with White River, VI, 147; sketch, III, 334.

Montmorency, stratification, XVII, 240.

Moose, navigation on, VI, 368; portage, 367.

Mora (Raspberry), Canadian tributary, XVI, 85, XVII, 80; camping site, XX, 93; settlement, 229; Gregg, XIX, 252; sketch, 252.

Moreau (Cerwercerna, Owl, Park, Serwarcerna, Sewarzena, Surwarcarna), origin of name, XXII, 335; Missouri tributary, XXVII, 226; width, VI, 164, 166; Mandan on, XXIII, 313; Brackenridge, VI, 11; sketch, V, 127.

Morro, tributary of Walla Walla, XXI, 347, 348.

Mosquito, Indians on, XIV, 221; Field's trace, XV, 179.

RIVERS (continued)—

Mountain, sources, XVII, 51; described, 124.

Mouse. See Mary's, above.

Moyene. See Des Moines, above.

Muddy, branch of Great Bear, XXVIII, 113.

Muddy, Missouri tributary, XXVII, 228; sketch, XXVIII, 225.

Muddy (Bourbeuse, Miry, White Earth), origin of name, XXII, 372; mouth, 372, XXIII, 185; ice on, 209; Maximilian, 208; described, XXII, 369.

Mulberry, as a boundary, XVII, 128.

Mulpot, traders on, V, 233.

Multnomah. See Willamette, below.

Muskingum (Yanagué-kouan), watershed, XXIV, 151; location, X, 225; Ohio tributary, V, 273, XIX, 34, 35; source, III, 178; width, 178; tributaries, IX, 306; falls, IV, 225; inundations, VIII, 264, XIX, 35; salt springs, XIV, 58; long reach, I, 129; minerals, VIII, 264, IX, 310; navigation on, III, 178, IV, 123, 124, 126, IX, 184, 190; Indians on, I, 80, 85, 168, 211, IV, 89, 125; Indian forts, XIX, 91; Indian mounds, XXII, 149; French on, I, 130, III, 179; Bouquet's invasion, I, 282; in Dunmore's War, IV, 118; Fort Harmar, III, 34; settlements, XXII, 149; Marietta, III, 33, 177, VIII, 53, X, 39; Springfield, IV, 224; Zanesville, 216, X, 72, XI, 173; ship-yards, III, 177; Croghan, I, 53, 124, 130; F. A. Michaux, III, 174; Post, I, 181; thermometrical observations, III, 377, 378; described, VIII, 263, 264, XVII, 109, XIX, 76; sketch, I, 130.

Musselshell (Fr. Coquille), as a boundary, XXIII, 46, 48, 52, 70, 183; sources, XXIX, 343; channel, XXIII, 169; forks, XXIX, 345; Blackfeet, XXIII, 135; Maximilian, 57-60, 181; described, 57-59; sketch, 58.

Nadaway (Naduet). See Nodaway, below.

Namakam, trade route, VI, 384.

Napas, agriculture on, XVIII, 359.

Nass, fort on, XXIX, 58.

Nassas, country described, XVIII, 359.

Natke-Passaha. See Heart, above.

Nazas, described, XX, 163, 164.

Nebraska (Nebreskuh). See Platte, below.

Necanican (Clatsop), sketch, XXX, 194.

Nehaco, confluence with Fraser, XXIX, 276; tributaries, 81.

Negracka. See Cimarron, above.

Negro (Rio). See Washita, below.

Nelson, outlet, VI, 378, XXIX, 216; explored, II, 165; fort on, XXIX, 262.

Nemaha (Big, Grand, Great, Nemahaw), as a boundary, XXVIII, 144, 145; location, XXVII, 227; Missouri tributary, VI, 72, XV, 132; width, VI, 165; drainage, XIV, 211; stratification, 211, 212; mouth, XXIV, 110; trail, XXX, 255; half-breeds on, XXII, 259; sketch, XIV, 216.

Nennescah (Nenescah, Nenesquaw), mistaken for Negracka, XVI, 243; Bell on, XIV, 17, XVI, 251.

Neosho. See Grand, above.

Neskihone, outlet, XXII, 118.

Nesoutchebrara, fork of Canadian, V, 242.

Nespelein, as a boundary, XXVII, 375.

Netul. See Lewis and Clark, above.

New. See Great Kanawha, above.

Newsewketonga (Nesewketonga). See Cimarron, above.

Nez Percé. See Snake, below.

Niagara, as a boundary, VIII, 179; climate, 159; current, XXIV, 165; width, 166; course, 164; tributaries, VIII, 153, XXIV, 164; empties into Ontario, VIII, 134, IX, 321; rapids in, VIII, 174-176; islands, 175, 176, 178; road, XXIV, 173; portage, VIII, 159, 182, IX, 320; ferry, VIII, 46; Five-mile Meadow, 166; Queenstown Heights, 159; forts on, 44, 46, IX, 321; Brown on, VIII, 175; Buttrick, 42; Christie, 159; described, II, 49, VIII, 178, IX, 316-319, XIX, 145, 146, XXIV, 164, 166, 169, 170; scenery, VIII, 166, 174, IX, 317, 320, 321, XIX, 143, XXIV, 161, 174.

Niangua (bear), originally "Yungar" Fork, XIV, 26, 137; branch of Osage, 144; course, XVII, 36; tributaries, XIV, 136; De Smet, XXVII, 228.

Niobrara (L'eau qui court, Quicourre, Rapid, Running Water), VI, 94; as a boundary, 90, XXII, 268; location, XIV, 240; sources, XV, 199; current, XXVII, 227; width, VI, 166; course, XV, 87, XXII, 291; mouth, 291; plants on, V, 318-320; roads, 99; Indians, 90, 96, XIV, 291, XXII, 284, XXIV, 99; hunters, XVI, 50; hunting grounds, XV, 87; Bradbury and Brackenridge, V, 97, 188, VI, 94; Maximilian, XXIV, 97; described, XXIX, 370; sketch, XXII, 291.

Nipigon, location, II, 134, 142; cataract in, 86, 144; trading-post on, 8; described, 87.

Nishnabotna (Nishnabottona, Nishnebottoneh), topography, XV, 185; location, XIV, 140, XXVII, 227; signification of name, VI, 73; source, XIV, 211; width, VI, 165; mouth, XXII, 260, XXIV, 109; narrows, XXII, 262; Field's trace on, XV, 179; Indians, XIV, 286; Brackenridge, VI, 73; sketch, XIV, 217.

Nisqually, mouth, XXVII, 386; drainage, XXX, 295; Indians on, XXVII, 387; trading-post, XXX, 295; Nobili, XXIX, 276.

Nodaway (Nodawa, Nadaway, Naduet, Nodowa), location, XXVII, 227; source, XIV, 211; width, VI, 165; channel, 70; mouth, XXII, 258; deer on, VI, 69; plants, V, 318; Iowa Indians on, XXII, 253; Astorians, V, 37, 38, 181, VII, 180, 181; Bradbury, V, 68; Crooks, 60; described, XIV, 181, XXIV, 110, 111; sketch, V, 38.

Nolan, George Cloes on, III, 88.

Nolichucky (Nolachucky), affluent of Holston, III, 272; tributaries, 99, 285; A. Michaux on, 57, 58; F. A. Michaux, 269.

Nombre de Jesus (Rio del). See Gila, above.

North, leads to Hudson Bay, II, 132. See also Hudson, above.

North Fork, confluence with Canadian, XVI, 175, XXVIII, 126; divide, XX, 218; source, XVI, 174, 175; course, XX, 118; tributaries, XIX, 234, XX, 122, 258; Cross Timbers, 255; Gregg, 117, 122; described, XVII, 141.

North Fork, confluence with Platte, XV, 238, XVII, 137; on Oregon trail, XXX, 278; sources, XV, 237, XVII, 136, XXIV, 103, XXVIII, 111, 114, 229; tributaries, XXI, 53; fords, 173; crossings, XXX, 66; country described, XXI, 183; Black Hills on, XV, 252; trails, XXI, 52, 183, XXVIII, 11, 239, XXX, 54; De Smet on, XXVII, 228; Pattie, XVIII, 142; Wyeth, XXI, 182; described, XV, 235; sketch, XXX, 66. See also Platte, below.

Oakinacken. See Okanagan, below.

RIVERS (continued)—

Obian, location, VIII, 304.

Ocatahoola. See Little, above.

Ocea (Ocoa). See Kaskaskia, above.

Ochka, Vandalia on, X, 326.

Ogden. See Humboldt, above.

Ohio (Ouabouskigon, Ind: River of Blood; Fr: La Belle Rivière), as a boundary, III, 271, IV, 114, V, 263, VIII, 200, 258, 262, 276, 290, IX, 119, 127, 145, 184, 191, 218, X, 268, XII, 270, XIV, 85, 95, XV, 114, XVII, 105, 107, 120, XIX, 53, 65, 79, 94, XX, 301, XXII, 146, 178, 204, 208, XXIV, 142; distance from Mexican Gulf, XIX, 131; origin of name, I, 245, IV, 92, V, 274, IX, 105; climate, 94, 95, 163, 175, 189, 190; topography, XVII, 95, 104-108, 114, 115; elevation, XXII, 150; watershed, IX, 308, XXIV, 157; drainage, V, 274, XIV, 46; formation, III, 163, VIII, 247, X, 37, XIV, 56, XIX, 25, XXI, 37, XXII, 139; Mississippi tributary, IV, 307, IX, 247, X, 327, XIV, 92, 93, XV, 236, XVII, 38, 226, XIX, 44, 64, 131, XXVI, 82, 102, 109, 111; connected with Great Lakes, IX, 96, XIX, 82, 151, XXIV, 66, 159; sources, IX, 284, 306, 307, XIV, 45, 48, 52, XXVI, 215, XXVII, 91; bed, IX, 283, 284, XIV, 66, 72, 74; channel, IV, 259, 275, X, 242; course, I, 128-133, 138, III, 164, IV, 106, 139, VIII, 283, X, 248, 252, XIV, 49, 72; Big bend, I, 131, 132; Pomeroy bend, XIII, 56; long reach, I, 129, III, 376, IV, 120, 122, IX, 107; narrows, XXVII, 110; current, IX, 100, 105, 158-160, XIII, 49, 59, 67, 68, XIV, 84, 90; velocity of, III, 165, 166, IV, 259, 261, VIII, 257, XIII, 67, XXVI, 49; tributaries, III, 223, 271, IV, 99, 110-114, 117, 122, 233, 241, V, 273, 279, VIII, 258, 262, 263, 276, 292, IX, 83, 101, 284, X, 229, 230, 238, 243, 245, 246, 269, 270, XI, 188, 194, 203, 206, 281, XII, 230, XIII, 52, XIV, 82, 90, XVII, 92, 105, 109, XIX, 36, 55, 67, 94, XXII, 145, 153, 154, 201, 203, XXVI, 48, 65; confluence with Cumberland, IV, 275, VIII, 281, XIX, 42; with Licking, X, 237; Muskingum, XIX, 34, 35; Saline, IV, 271; Scioto, 215, XXIV, 146; Tennessee, IV, 276; Wabash, XIX, 69; size, IX, 188, XXVI, 264; length, V, 273, XIX, 30, XXI, 39, XXII, 204; width, I, 133, III, 164, 181, IV, 97, 100, 132, 142, 166, 214, VIII, 279, IX, 158, X, 224, XXII, 147, 155, XXX, 31; depth, III, 161, 179, 180, XIII, 45, 46, 48, 51, 66, 67, XIV, 87, 90, XXII, 152; shoalest point, XXVI, 59; quantity of water, XI, 167; inundations, III, 344, 345, IV, 160, VIII, 58, 280, 281, IX, 94, 95, 147, XIII, 72, XIV, 84, 85, 90, 92, XVII, 91, 112, 172, XXII, 147, 150, XXVI, 47, 49, 50; weight of water, 265; character of water, III, 345, 346, IV, 279, IX, 90; color, XIV, 51, 52, XXIV, 131; mouth, VIII, 313, X, 218, 269, 327, XIII, 71, 76, 79, 82, XIV, 87, 99, XVII, 86, 88, 122, 172, XIX, 44, 54, 122, XX, 256, XXII, 204, 208, XXIV, 131, XXVI, 70, 98; earthquake, XI, 181; hurricane, XIII, 50; rain, X, 39; tornado, IX, 283; trade winds, IV, 126; storms on, XXVI, 79; falls in, I, 136, IV, 259, VIII, 53, X, 242, XIX, 67; description of, I, 136; islands, 129, 131, 132, 137, III, 32, 164, 180, IV, 101, 103, 120, 121, 258, 261, 265, IX, 108, 158-160, X, 222, 224, 225, 241, 242, 244, 251, XIII, 70, 71, XIV, 77, XXVI, 51, 54, 55, 65; Brunot's Island, IV, 93; Wheeling, III, 349; plan of island, IX, 159; rapids, IV, 93, 102, 258, 259, VIII, 257, 278, IX, 96, 106, 108, 160, X, 43, XIII, 48; Letart's Rapids, IX, 110; obstructions in, XXVI, 57, 58; rocks, IV, 266, XIV, 85; sandbars, IV, 104, 167; Big Chain, XIV, 85, XVII, 174; Ferguson's bar, IV, 155, IX, 112; snags, XIII, 68, XXVI, 58; ice on, IX, 151, XIV, 92, 93; salt springs, IV, 175, XIV, 58; tide springs, XXVII, 112; geological formation, IX, 111, 112, XIV, 73, 88, 89, 91, 92, XVI, 141; coal beds, VIII, 248, XIII, 52, XIV, 76, XVII, 254, XXII, 152; fossils, III, 65, V, 254, XVII, 95, XXVI, 106; iron ore, XVII, 234; limestone, IX, 131, XIV, 81, XVII, 221, 245; minerals, 95; rocks, X, 251, XIII, 215, XIV, 86, XVII, 52; sandstone, XIV, 81, 83; shells, XXII, 143; country described, I, 127, 128, 131, 132, 134, 136, III, 174, 181, 182, 188, 358, 359, VIII, 275, IX, 90, 101, 103, 128, 160, 280, X, 222, 225, 226, 228, 239, 241, 246, 250, XIII, 48, 51, 54, 56, 59, 66, 71, 72, 274, XIV, 44, 49, 50, 62, 63, 66, 68, 71, 80, 85, 89, 90, XVII, 246, XIX, 76, 131, 136, XXI, 38, 39, XXII, 147, 151, 153, 154, 159-161, XXIV, 142; chalk banks, XXVII, 103; bluffs, XI, 292; bottoms,

XIX, 67; caves, XXVI, 75; cliffs, IV, 104, 105, XXVI, 103, XXVII, 110; hills, VI, 69, 100; rock, IV, 103, 106, 261; painted rocks, VI, 146; Cave-in-Rock, XXV, 7; Jones's Rock, IV, 140; vegetation on, III, 76, VI, 34, XIII, 85, XIV, 61, 128, XVI, 164, XVII, 95; cotton on, IV, 154, X, 250; vineyards, V, 316; trees on, III, 76, XXIV, 153; size of trees, XIII, 87, 104; beeches, X, 205; cottonwood, XVI, 178; mulberry, I, 137; pawpaw, X, 249, XVI, 184, XXII, 148; plane, XIII, 297, XIV, 68; bears on, X, 288; beaver, XV, 236; birds, 325, 327; cattle, IX, 119, 310; fish, III, 189, IV, 119, X, 69, XIII, 326, XIX, 139, XXII, 170, 187; mice, XV, 318; mosquitoes, IV, 287, XIII, 220; parrots, XIV, 70, XXII, 169; rats, X, 244; Indians, I, 12, II, 28, 29, 46, XI, 222, XXVI, 78; Chickasaw, IV, 292, 293; Delaware, I, 85, 168, 264; Miami, 327; Mohican, 31; Natchez, XIII, 343, 355; Seneca, I, 24, 167; Shawnee, 264; Sioux, XIII, 117; Indian mounds, IV, 326, XIII, 177, XVI, 53, XIX, 85, XXII, 149; in Dunmore's War, IV, 142, 143; Northwest Indian, III, 183, VIII, 265; roads, I, 21, 22, 125, 247; National Road, IX, 59, 105, X, 221, 327; traders on, III, 169; travellers, VIII, 51; English, I, 166, 256; French, 48, III, 185, XXVI, 231; forts, I, 58, IV, 99, XXVII, 74; Fort Duquesne, I, 311; Fort Massac, VIII, 292; emigration on, III, 18, V, 298, 301, 302, VIII, 9, 57, X, 344, XIII, 65, XIV, 59; first white men, IX, 159; settlers, XIV, 141; planters, 60; hunters, VI, 62, X, 350; Moravians, I, 187; pilots, XXVI, 78; military colonies, IX, 176; surveyors, XVIII, 30; settlements, III, 209, 250, IV, 153, IX, 157, 198, 218, X, 14, 39, 41, 226, 239, 247, XIX, 32, 33, 40, 42, 43, 60, XXII, 140; Golconda, X, 333, XVII, 92; Henderson, X, 48; Louisville, VIII, 278; Madison, 77, IX, 253; Marietta, III, 177, 182; Massie's Station, X, 232; Maysville, 68; Pittsburg, VIII, 53; Portsmouth, IV, 160, IX, 114; Shawneetown, X, 254, 325; Steubenville, IX, 101; Wheeling, IV, 235, X, 207, 208, 221, XI, 167, XII, 202, 204, XIII, 44, XIV, 60; Vevay, X, 42; character of houses, 224, XIX, 138; lands on, IV, 184, IX, 119, 185, X, 235, 320, XIX, 84; price of, XIII, 166; as a highway, I, 102, III, 145, 158, 242, 251, 282, 339, V, 305, X, 223, 228, 269, XI, 143, 166, 171, XII, 50, 237, 257, XIX, 11, XXII, 157, 198, XXVI, 12; commerce and navigation, III, 145, 159, 164-166, 169, 191, 194, 205, 240, 252, IV, 77, 102, 166, 169, V, 262, VIII, 58, 59, 250, 257, 269, 284, 293, 339, IX, 86-112, 147, 148, 157, 160, 237, 247, 286, 296, 297, X, 43, 208, 217, 235, 242, 244, 248, 251, 253, XI, 233, XII, 279, XIII, 45, 48, 51, 54, 55, 57-59, 63, 65, 66, 291, XIV, 60, 70, 71, 76, 86, XVII, 102, 171, 173, 174, XIX, 27, 30, 41, 129, 138, XXII, 13, 144, 216, XXIV, 131; bridge, XIV, 97; canal, XXVI, 81; ferry, IV, 234, XI, 185, XII, 227; ship-building, III, 160, 200, V, 263, VIII, 256, 269, XIV, 76; primitive craft on, XXVI, 60; boats, III, 166, VIII, 256, 257, 314; arks, VI, 151, X, 38; flat-boats, XXII, 151, XXVI, 61; freight boats, 57; steamboats, IX, 59, 86, 164, 286, XI, 197, 198, XIV, 44, XIX, 41, XXII, 147, XXIV, 143, 190, XXVI, 63; store-boats, X, 228; "Calhoun," XIV, 96; "New Orleans," IX, 154; "Western Engineer," XIV, 10, 18; losses on, XXVI, 57, 58; highway robbery, III, 198, IV, 268, 269, IX, 167; cholera, XXII, 127, 196; floating mills, XIX, 39; Blennerhassett on, IV, 320; Bullock, XIX, 115, 119, 136; Burr, IV, 277; Buttrick, VIII, 10, 48, 59, 62, 76, 77; Clark, XXVI, 48, XXVII, 88; Croghan, I, 12, 51, 126, 127, 134; Cumings, IV, 7, 8, 12, 87-279, 319; Dumbleton, XI, 116; Ellis, IV, 202; Evans, VIII, 12, 255, 269, 283, 299; Faux, XI, 167, 168, 171, 199, 200, XII, 15; Flint, IX, 9, 298; Flower, X, 91, 95; Forbes, I, 266; Harris, III, 349, 371; Hulme, X, 12, 38-46, 64, 69, 81; La Salle, XXVII, 39; Long, XIV, 39, 88, XVII, 95; Marquette, XIV, 96, 97; Maximilian, XXII, 13, 127, 140, 143, XXIV, 132, 142, 145; A. Michaux, III, 16, 17, 32, 66, 72, 81, 86, 103, 104; F. A. Michaux, 155, 169, 173-176, 179-188, 192; Nuttall, XIII, 13, 47, 54, 63; Ogden, XIX, 30, 37; Post, I, 180, 181; Talbot, IV, 211; Weiser, I, 18; Welby, XI, 16, XII, 205, 279; Woods, X, 13, XI, 252, 269; Wyeth, XXI, 38; astronomical observations, X, 231, 330, 333; thermometrical observations, III, 379; improvements, XXVI, 56-59; map, XIX, 30; described, IV, 24, 87-279, VIII, 255, 294, 295, IX, 157, X, 38-40, 231, 241, 242, 245, XII, 227, XIV, 88, XIX, 12, 30, 31, 38, 39, 44, XXII, 158, 161, 199-202, XXVI, 13, 47, 52-57, 59-62, 65, 71-77, 79-81; population, IV, 131, 139, 141, 142; compared with Hudson, XIX, 153; with Mississippi, V, 274; scenery, VI, 110, VIII, 221, 279, XIII, 196, XIX, 143.

Okanagan (Oakinacken), as a boundary, XXIX, 37, 45; distance from Fort Colville, 39; mouth,

RIVERS: *Okanagan* (continued)—

38, 78; falls in, XXVII, 375; tributaries, VII, 276; timber, XXX, 292; Indians on, VII, 276; explored, VI, 260; trading-posts on, 272, 283, 298, 345, XXX, 295; Astorians on, VII, 151; Ross, 206; described, 152, XXIX, 37.

Old (False), tributary of Red, XIII, 131, XVII, 64; sketch, 65.

Ontonagon, sources, XVII, 232.

Oregon. See *Columbia*, and *Mackenzie*, above.

Oro (Rio del). See *Daycao*, above.

Osage, location, XXVII, 227; as a boundary, XV, 75, XVII, 86, 119, XXI, 251, XXVIII, 141; topography, XVII, 123; divide, XIX, 195; origin of name, XIV, 144; Missouri tributary, VI, 43, XIV, 145; sources, XVII, 36, XVIII, 349, XX, 249, XXVIII, 134; course, XVII, 36; current, VI, 44; width, 164; tributaries, XIV, 136, 137, XVII, 26, 37, XIX, 195, XXIX, 234; freshets, XIV, 173; mouth, 138, 144, XXVIII, 146; coal on, V, 243; fossils, 254; Indians, 67, XIII, 237, XVI, 274, 283, XVII, 128, 154, 155, XX, 317, XXII, 249, XXVIII, 120; navigation, VI, 46, XVII, 131; trading-post, XXIX, 232, 233; settlement, VI, 46, XIX, 62; Côte sans Dessein, V, 48, VI, 45; land grants, XIV, 138; surveys, IX, 187; Brackenridge on, VI, 46; Farnham, XXVIII, 56, 57; Flagg, XXVII, 39; Gregg, XIX, 195; Lisa, V, 97; Pratte, XVIII, 50; Pursley, XIX, 173; population, XIV, 145; described, 144, 145, XVII, 126, XXII, 242, XXVII, 227, XXVIII, 58; sketch, 56.

Oswego, early importance, II, 48.

Ottawa (Grand), as a boundary, IX, 325; falls in, VI, 398; portages, 397, 398; canoe route, 397; Indians on, II, 41, 58, XXIV, 175, 176, 186; Astorians on, VII, 176; Franchère, VI, 397; Long, II, 76; Pillet and McGillis, VI, 267; settlements, IX, 322.

Ottertail, Chippewa on, XXVIII, 156.

Ouabache. See *Wabash*, below.

Ouabouskigon. See *Ohio*, above.

Ouachita (Ouiuaghitia). See *Washita*, below.

Ouaggerehoosse, De Smet on, XXVII, 228.

Owl. See *Moreau*, above, and *Creeks: Highland*.

Pacus. See *Pecos*, below.

Padouca Fork (South), as a boundary, XVII, 177; confluence with *Platte*, 256.

Palame, Nuttall on, XIII, 155.

Palouse (Pavilion, Pelouse), mouth, XXIX, 288; timber on, XXX, 292; Clark, VII, 208, 212; sketch, XXIX, 289.

Panebacash, Long on, II, 196.

Panuco, De Soto on, XIII, 338.

Papillon, prairies, XVI, 148.

Park. See *Moreau*, above.

Parral, agriculture on, XVIII, 359.

Parras, agriculture on, XVIII, 359.

Pascagoula, Indians on, XIII, 304, XVII, 68.

Passaic, described by Welby, XII, 167; falls, 166.

Patapco, Fort McHenry on, X, 189; battle on, XII, 290.

Pattas, agriculture on, XVIII, 359.

Pavilion. See Palouse, above.

Pawnee Fork, camping site on, XX, 93; Farnham, XXVIII, 78, 85, 93; described, XVI, 227.
See also Loup, above.

Pawtucket, described by Maximilian, XXII, 52.

Payette, Fort Boisé on, VI, 277.

Peace (Unjegah), source, XXIX, 258; outlet, VI, 354, XXIX, 263; affluents, VI, 361, XXIX, 43, 252; Indians on, 232, 255; as a highway, 58; Mackenzie on, VI, 187, XVII, 236; Stuart, VI, 251.

Pearl, location, VIII, 312; Choctaw on, XIII, 304.

Pecos (Pacus), confused with Puerco, XVIII, 159; as a boundary, XIX, 278, 311; origin of name, XX, 59; divide, 156; source, XVII, 80, XIX, 281, XX, 239; valley, 142; road, 212; Indians on, 56, 70; settlements, XVIII, 77; Arkansas expedition on, XX, 226; Gregg, XIX, 211; described, 252, 280; sketch, XVIII, 77.

Pedee, navigation on, III, 297.

Pekitanoni. See Missouri, above.

Pembina, breadth, XXIX, 251; Indians on, XXIII, 353; described, VI, 364; sketch, XXIII, 353.

Pend d'Oreille. See Flathead, above.

Penobscot, public lands on, XXVI, 198.

Perdido, location, VIII, 294.

Pères (Rivière des), pigmy cemetery on, XXVII, 102; Indian mounds, XXVI, 178, 179; sketch, 178.

Petit Jean (Little John), location, XIII, 171; source, 167, XVII, 51; hills on, XIII, 169, 178, 288; described, 172, 287, XVII, 124; sketch, XIII, 171.

Petite, tributary of Wabash, XIX, 66. See also Creeks: Mill.

Petoka, tributary of Wabash, XIX, 66.

Pic, location, II, 142, 176; fort on, VI, 392.

Pierre (Teton), course, XXI, 63; De Smet, XXVII, 175.

Pigeon, boundary, II, 51; coal on, XIV, 76; trade route, VI, 384, 386.

Pinkslitsa. See Puntataenkut, below.

Pipe Stone, red clay on, XIV, 78.

Piscataqua, climate, VIII, 160.

Pischous (Pisquow, Point de Boise, Wahnaacha, Wenatchee), compared with Methow, VII, 150; mouth, XXIX, 78; described, 79; sketch, VII, 147.

Platte (Flat, Flatwater, Nebraska, Nebreskuh), as a boundary, XIV, 211, XVII, 149, XXII, 268, XXVII, 214, 215, 255, XXVIII, 109, 149, 151, 213, XXX, 106; on Oregon trail, V, 100, XXVIII, 114, XXX, 277, 278; topography, XV, 196, 197, 221, 241, 293-297; drainage, XVII, 179, XXII, 264, XXVIII, 109; divide, XV, 305, XVIII, 61, XXIII, 244, XXVIII, 193, 212; climate, XXVII, 221; temperature, XV, 265; elevation, XVII, 258; Missouri tributary, V, 190, XV, 187, 194, 196, 229, 231, XXVIII, 145; source, VI, 77, 155, XIV, 48, XV, 235, 286, XVI, 20, 37, 55, XVII, 256, XVIII, 142, 143, XXI, 54, XXIII, 386, XXVIII, 110, 198, 264, 305, XXIX, 205, 288; course, VI, 77, XV, 287, 296, XXVIII, 111; current, XVI, 291; bed, XIV, 51, XV, 252, XVI, 290, XVII, 139; length, VI, 77, XXVII, 227; depth, XVIII, 71; width, V, 77, VI, 77, 165, XV, 230; turbidity, XVI, 63; velocity, XV, 257; freshets, 233; driftwood, 234; sand bars, VI, 76, 77; moving sands, 156; hail storms, XXVII, 221, 222; sand storms, XXI, 199; waterspout, XXVII, 131; mouth, XVII, 120, 192, XXI, 101, XXII, 265, 278, XXIV, 108, XXVIII, 112, 146, 153; tributaries, XIV, 240, 269, 276, XV, 95, 141, 195, 196, 199, 234;

RIVERS: *Platte* (continued)—

238, 251, 260, 274, 285, 292, 298, 305, 307, XVI, 20, XVII, 99, 136, 152, 156, 177, XVIII, 49, 52, 63, XXI, 181, XXVII, 160, 238, XXVIII, 112, 306, XXX, 60, 65, 67, 249; islands in, VI, 76, 77, XV, 197, 198, 224, 225, XXI, 180, XXX, 49; geological formation, XVI, 141; fossils, 41; rocks, XIV, 227, XVII, 238; limestone, 212; sandstone, XV, 280, XVII, 194, 196, 200, 201, 204; minerals, 215; gold, XX, 243; salt, 244; country described, XV, 225, 230, 231, 239, 240, 248, 258, XVI, 244, XVII, 35, 148, 207, XXI, 151, 173, 178, 179, 264, XXX, 46, 48, 49, 54; cañons, XXI, 53, XXVIII, 223; deserts, XV, 251, 268, 311, XVII, 194; hills, XV, 251, XXI, 236; mountains, XXIII, 244; plains, VI, 67, XIV, 216, XV, 263, XVI, 132, XVII, 190, XVIII, 141, XXVII, 214, XXVIII, 209; vegetation on, V, 317, XV, 223, 226, 230, 241, 273, XVI, 44, 89, 100; forests, XV, 261, 274, XXII, 294; animals, XV, 247; beaver, 220; bison, 207, 248, XVI, 211; buffalo, XXI, 159, XXVI, 280, XXVII, 265, XXVIII, 266; horses, XV, 215, 260; prairie dogs, 222, XXX, 50; prairie fowl, XVI, 231; rattlesnakes, XV, 260; Indians on, VI, 77, XIV, 233, 273, XV, 69, 99, 206, 212, 256, XVI, 56, 211, XIX, 173, XXIX, 380; Cheyenne, XXVII, 284; Kansa, XV, 100, 101; Kaskaskia, XVI, 117; Kiowa, XV, 157; Loup, V, 78; Omaha, XIV, 291, 307; Oto, V, 74, XIV, 269, XV, 130, 132, XVII, 150, XXIV, 314, XXVIII, 145; Pawnee, XIV, 242, XV, 94, XVI, 95, 226, XVII, 96, XVIII, 12, 41, 50, XXI, 150, XXVII, 207, XXVIII, 148, 163; Sioux, V, 92; Tapage, XIV, 233; Indian fort, XVI, 125; mounds, XXVII, 213, 216; agents, XIV, 258, XXI, 192; explorations, XIV, 13, 21, XV, 189; hunters on, XVIII, 139, XXVII, 243; hunting grounds, XXII, 259; traders, XV, 33, 96, 282, XXVIII, 100, 105; trading-posts, XXIX, 232; troops, XIX, 187; military posts, XV, 224, XVIII, 37, XXVIII, 112; emigrants on, XXX, 251; settlements, XIV, 170; navigation on, V, 226, VI, 77, XX, 251, XXVIII, 111; fords, XV, 233, 290, XXI, 173, XXX, 249; trails, XXVII, 212, XXVIII, 112, XXX, 46; Bijean on, XVI, 58; Brackenridge, VI, 66, 76, 80, 151; Bradbury, V, 71, 76-78, VI, 101; De Smet, XXVII, 189, 277, 278, XXIX, 372; Farnham, XXVIII, 205; Hunt, V, 226, 227, VI, 73; Lalande, XIX, 174; Lewis and Clark, VI, 61; Long, IX, 164, 165, XIV, 14, 23, 171, 172, 219, XV, 196-198, 207, 211, 220, 225, 231, 239-242, 255, 256, 274, 279, 291, XVI, 21, 59, 148, XVII, 99, 256; Palmer, XXX, 46, 47, 52, 248; Pattie, XVIII, 38-42, 140; Richardson, XXI, 153; Sibley, VI, 61; Stuart, VII, 227, 228, XV, 238; Townsend, XXI, 170; Wyeth, 50, 69, 157, 169, 179; astronomical observations, VI, 165, XIV, 219, XVII, 256-258, 262; described, V, 71, XIV, 219, 220, XV, 230, 231, 281, 289, 290, XVII, 136-138, XVIII, 42, XXI, 49-51, 157, XXVII, 156, 157, 189, 220-222, 270, 273; view of cañon, XV, 283; view of fording place, XXVII, 271; sketch, XIV, 219.

Plein. See Des Plaines, above.

Point de Boise. See Pischous, above.

Pole Alley. See Molalla, above.

Ponca (Punca, Punch). See Creeks: Ponca.

Poplar, sources, XXIII, 33; Larpenieur on, XXIV, 49; "Assiniboin," XXII, 240.

Porcupine, mouth, XXIII, 33; De Smet on, XXIX, 366; sketch, XXIII, 33.

Portage (Little Canoe), Columbia tributary, mouth, XXIX, 266; confluence with Canoe, 267; trail, 42, 43; sketch, 265.

Port Nelson, outlet, XVII, 239.

Portneuf (Portneth), on Oregon trail, XXX, 86, 280; tributary of Snake, XXI, 204, 209; mouth, 210; tributaries, 209; crossing, XXX, 89; Blackfeet on, XXI, 353; Farnham, XXVIII, 301, 302; Wyeth, XXI, 202, 206; sketch, XXVII, 249.

Poteau (Potatoe, Pottoe), as a boundary, XIII, 306; divide, 209; meaning of term, 199; Arkansas tributary, 197, 201, XVI, 187, XVII, 261; source, XIII, 155, 168, 172, 287, XVII, 12, 51, 77; color, XIII, 202; tributaries, 209; geological formation, 202, XVI, 188, 189; mountains, XIII, 156, 200, 202,

205, 226, XVI, 183; coal strata on, XVII, 223; yellow-wood, XIII, 200; De Smet, XXVII, 228; Nuttall, XIII, 13, 199, 207, 208, 227; described, 200, 208, 209, XVII, 52, 124.

Potomac, as a boundary, XXVI, 132; waterway to Lake Erie, IX, 96; sources, XIV, 54; width, XII, 126; islands in, I, 90; tributaries, IV, 55, X, 205-207; as a highway, 208; portages, III, 336, 341; in Revolution, XVIII, 29; breweries on, XI, 113; cattle, III, 245, X, 203, XI, 146; commerce, IV, 62; farming, XII, 95; lumber, XI, 147; Buffington, IV, 136; Cumberland, I, 21, 192, III, 328, X, 207, XIV, 60, XXIV, 152; Mt. Vernon, IX, 306; Washington, VIII, 171, XII, 102, 329; Faux on, 134; A. Michaux, III, 50, 52; Welby, XII, 288; described, X, 199, 200; view, XII, 327.

Powder (Rivière à la Poudre), on Oregon trail, XXX, 281; Yellowstone tributary, XXII, 374; source, XXIV, 103; course, XXI, 268; country described, 269, 270; mountains, 266; De Smet, XXVII, 228; Hunt, V, 229; Palmer, XXX, 243; Wyeth, XXI, 268; described, XXX, 104; sketch, XXIV, 103.

Prairie (Rivière la, Quebec), current, XXIX, 251; character of country, XVII, 238.

Prairie Hen (Cock). See Green, above.

Priest (Blackrobe), tributaries, XXIX, 271.

Pudding (Hanteuc), as a boundary, XXX, 180; trading-post on, VI, 313; sketch, XXX, 178.

Puerco (Rio), described, XVIII, 159, 160, 166, XIX, 280; sketch, XVIII, 159.

Puntataenkut (Pinksitsa), sketch, XXIX, 81.

Purgatory (Picket-wire, Rio de las Animas, Purgatorio, Purgatoire), location, XVI, 62; sources, 85; turbidity, 70; geological formation, 65-68, 73, 74; sandstone on, 79, 90; trail, 65; Bell, 225; Long, XIV, 16, XVI, 69, 85; described, 74.

Quesnel (Quisnel), identified, XXIX, 79.

Quicksand. See Big Sandy, above.

Quicourre. See Niobrara, above.

Raft, sketch, XXX, 90.

Rainy, sketch, VI, 383.

Raisin, source, XIX, 67; French Canadians on, VIII, 209; battle of, III, 61, 87, VIII, 83, 206, 210, 224; Brush on, 212; Evans, 209; described, 210, 214.

Rampart. See Moreau, above.

Rapid. See Niobrara, above.

Raritan, Maximilian on, XXII, 60.

Raspberry. See Mora, above.

Red (of the Arkansas). See Cimarron, above.

Red (tributary of Mississippi), V, 238, 239, VI, 157, XXVI, 109; location, VIII, 328, XIII, 145, XVI, 180, XVII, 122; sources, XIII, 231, XIV, 24, XVI, 84, 85, 180, XVII, 79, 99, 100, XVIII, 143, XX, 89, 239, 252, XXVII, 224; course, XVI, 138, XVII, 216; current, 60; salty water, 214; bed, 171; slope, 179; drainage, XXVIII, 109; geological formation, XIII, 217, 219, 221, XVI, 92, XVII, 204, 218, 225, 243; plains, XIII, 225, 226, XVII, 215; highlands, XIII, 209, 219, XVII, 229; tributaries, V, 242, XIII, 147, 155, 156, 167, 207, 287, XVI, 95, 138, 139, 175, 188, XVII, 51, 60, 77, 100, 124, 204, XX, 212, 217, 239, 256, 275; salt springs, 243; salt mines, XVI, 56, XX, 247, 248; obstruction in (great raft), XVII, 67, 69-71, 130, XXVI, 93, XXVIII, 114, 115; navigation, V, 266, VIII, 328, 329, XVII, 63, 67, 69, 130, XX, 251, XXVI, 57; steamboats on, XVIII, 25, XXVI, 64; minerals on, V, 194, 243, 244; timber, 170, XIII, 271, XVI, 178, XVII, 123, 124; wild animals, IV, 358, XIII, 210, XV, 248, XVI, 211, 272; mouth, XIII, 307, 336, XVII, 61, XIX, 64; as a boundary, XIII, 132, 133, 207, 306, XV,

RIVERS: *Red* (continued)—

312, XVII, 104, 105, 120, 122, 124, 177, 238, XIX, 217, XX, 242, 250, 254, XXVIII, 117, 121, 150; divide for, XIII, 225, XVI, 152, XVII, 60, XX, 238; described, XIII, 215, 216, XVII, 61-66, 68, 69, 71-78, 216, XIX, 63, XX, 252, 254, 255, XXVIII, 114, 115; observations, XVII, 80, 83; earthquake, 89; Indians on, XIII, 133, 176, 191, 217, 305, 352, XIV, 233, XV, 282, XVI, 95, 105, 106, 117, 159, 171, 211, 217, XVII, 21, 22, 68, 71, 128, 156, XX, 297, 341, XXVIII, 149; Spaniards, battle, XVI, 55, 208; explorations, V, 66, XIV, 11, 16, 21, 24, XV, 159, XVI, 85, XVII, 66-80, 157, XX, 225, 226; Long's, IX, 165, XIV, 13, 37, XVI, 56-63, 139, 171; Pike's, VIII, 280, XIX, 175; Sparks's, XVII, 68-76; mistakes concerning, XVI, 34, 180, XIX, 280; traders on, XVI, 206, 207; settlements, X, 311, 318, XI, 238, XIII, 110, 145-147, 213, 219, XVII, 32, 63, 99, 127, XX, 224, 225; public lands, IX, 188; soil, XIII, 215, 216; agricultural products, 107, 130, 216; roads to, 158, 264; diseases, XVI, 132; garrison on, XXVI, 176; land mark, XVI, 136; Welsh on, 95; Bienville visits, XVII, 66; De Soto, XIII, 333, 335; Gregg, XX, 137; Lee, XIII, 263; Nicollet, XXVII, 190; Nuttall, XIII, 13, 212-216; Willard, XVIII, 336.

Red (of the North), source, VIII, 235; headwaters, XXVIII, 152; tributaries, XVII, 176, XXII, 342, XXIII, 353; XXVII, 161; drainage, VI, 85; plains, XXIX, 224; as a boundary, 237; portage to, XXVIII, 152; flows into Lake Winnipeg, VI, 378; wild rice on, XXVIII, 154; Indians on, V, 139, XXIII, 191, XXVII, 161, 176, XXVIII, 147, 153, 155, 156; traders, V, 104, XXII, 345, XXIV, 12; forts, V, 37, XXIII, 353, XXIX, 132; settlements, VI, 274, 379, 380, 391, XXIII, 353, XXVIII, 340; maize culture, XXIII, 275; Selkirk's colonizing, VI, 381; battle, XXI, 201; missions, XXIX, 230, 240, 255; school, XXX, 231; missionaries, XXVII, 369, 391, XXIX, 118, 358, 359; Crébassa on, VI, 379; Pambrun, XXI, 280.

Red (branch of Platte), De Smet on, XXVII, 228.

Red (of Tennessee), settlements, III, 17; Michaux visits, 84, 86.

Red Deer. See Biche, above.

Reed. See Boise, above.

Rejoicing (Rajounisance). See Big Vermilion, above.

Republican, divide, XVIII, 61; Kansas tributary, 50, 52, 63; course, XXX, 45; mouth, XIV, 216; plains, 216; Oto on, 276; Pawnee, 195, 233, 241, XV, 209, XVI, 230, XVII, 76; described, 138, XVIII, 50; sketch, 50, XXX, 45, 46.

Richelieu, French fort on, II, 207; in Revolution, 54; Franchère, VI, 190.

Rickerall (Rickreall). See Creole, above.

Rigollet Bon Dieu, identified, XVII, 64, 65.

Rio Grande (Rio Bravo, del Norte), XIII, 231; as a boundary, XVII, 216, XVIII, 75, 358, 363, 365, XIX, 166, 278, 311, XX, 74, XXVIII, 109; divide, XVIII, 143; names, 75, XIX, 281; source, VI, 77, 155, XVIII, 143, 341, XXVIII, 189; length, XVIII, 348; channel, XX, 152; change in bed, XIX, 279, 280; course, XX, 251; current, 64; tributaries, XVII, 79, XVIII, 75, 77, 159, 160, XIX, 252, 280; dry, XVIII, 340; mouth, XVII, 187, XVIII, 348, XXVIII, 108; ice on, XIX, 286; islands in, XVIII, 363, XIX, 264; mountains, XVIII, 376; valleys, 349; timber scarce, XIX, 298; ford, XX, 154, 155; road, XIX, 251, XX, 150, 156; navigation, XIX, 278, 279, 281; Indians, XV, 158, XVI, 117, XVIII, 69, 130, 144, 164, XIX, 272, XX, 56, 70, 72, XXVIII, 149; known to whites, XVIII, 85; Spanish on, VI, 342; De Soto, XIII, 321, 325; Oñate, XVIII, 86; settlements, 9, 78, 153, 155, 363, 375, XIX, 259, XX, 48, 151, 154, 155, 232; Pattie, XVIII, 13, 85, 86, 89, 143, 144, 160, 169, 178, 181; Pike, VIII, 280, XVI, 85, XVII, 76, XIX, 175; Willard, XVIII, 331, 363; described, 75, XIX, 280, 281, XXVIII, 115, 116.

Roanoke, sources, VIII, 263.

- Roaring, origin of name, III, 259; branches, 260; F. A. Michaux on, 259, 276.
- Roche, Indians on, I, 159.
- Roche Jaune. See Yellowstone, below.
- Roche Percée, originally Roche à Pierre, XIV, 147; cliffs on, VI, 47.
- Rock (Rocky, Ind: Sinissippi), I, 103; as a boundary, XXII, 305, XXVIII, 143; topography, XVII, 110; bottoms, 114; muskrats, XXII, 381; Indians, XIV, 317, XXII, 225, 230; described, X, 269, XVII, 110, XIX, 54, 55.
- Rock, Wabash tributary, XIX, 66.
- Rocky, Missouri tributary, XXVII, 228.
- Rocky, Wabash tributary, XIX, 66. See also Medicine and Rock, above, and Creeks: Stony.
- Rocky Mountain, formation, XXIX, 43.
- Roger. See Creeks: Bowyer.
- Rogue (Roger, Rose, Tootootutna), trail, XXX, 191; harbor, 294; Indians on, XXI, 329, XXIX, 99; described, 82, XXX, 297; sketch, XXIX, 82.
- Rojo (Jaijo). See Red (Mississippi tributary), above.
- Rolling Fork, branch of Salt River, III, 64, X, 245.
- Rolling Forks, tributary of Red, sources, XVII, 51; described, 124.
- Rose. See Rogue, above, and Teton (Mont.), below.
- Rosebud, mouth, XXVII, 146; De Smet on, 228.
- Rum. See St. Francis, below.
- Running Water. See Niobrara, above.
- Sabine, as a boundary, XVIII, 366, 369, XIX, 217; sources, XVII, 148, 216; outlet, 240; Indians on, 70; garrison, XXVI, 176; sugar culture, V, 264.
- Sacramento, VII, 231; trapping on, XXI, 314; Smith on, XIX, 238; Sutter, XXX, 229.
- Saginaw, traders on, I, 172.
- Saguenay, trading-post, II, 192; Long on, XII, 196.
- St. Aloysius, named by De Smet, XXVII, 335.
- St. Charles (San Carlos), width, XVI, 52; mouth, XVII, 259.
- St. Clair, location, VIII, 227; width, 218; described, 227, 228.
- St. Croix (Wis.), Indians upon, II, 99, XXVII, 161.
- St. Francis (François, Rum), Hennepin names, XXVIII, 153; location, VIII, 315, 317, XVII, 122; source, VI, 155, XIII, 328, XVII, 30, 36, 37, 125, 243; course, 38; width, VIII, 315; tributaries, XVII, 41; maples on, XIII, 104; earthquakes, V, 210; stratification, XIV, 212; petrosilex, XVII, 222; lead mines, V, 251, XIV, 104, XVII, 41, 190, 217, XXVI, 95; navigation, VIII, 315, XVII, 131; settlements, 41, 127, 128, XIX, 64; Nuttall on, XIII, 86, 89; described, IV, 296, XVII, 37-39; identified, XXVIII, 153.
- St. Francis Borgia (Regis). See St. Regis Borgia, below.
- St. Francis Xavier, named by De Smet, XXVII, 253.
- St. Francisco, sources, XVIII, 91, 130; Pattie on, 90, 108, 111; sketch, 90.
- St. Germain, location, XIX, 55.
- St. Ignatius. See Cœur d'Alène, above.
- St. John's, tributary of Missouri, XXVII, 228; source, XVII, 246; secondary formation, 238.

RIVERS (continued)—

St. Joseph (Mich.), location, VIII, 231; outlet, I, 150, 151, VIII, 207; Indians on, I, 27, 115, 150, VIII, 207, XIII, 322; fort on, VIII, 231; described, XVII, 110, XIX, 67.

St. Joseph, empties into Lake Cœur d'Alène, VII, 211; named, XXIX, 290; mission on, XXVII, 365.

St. Josephs (Ind.), tributary of Wabash, XIX, 67.

St. Lawrence, as a boundary, VIII, 180, XXI, 37, XXVII, 74; sources, II, 45, 76, XVII, 175; tributaries, VI, 397, IX, 325; outlet of Lake Ontario, VIII, 177; connection with Allegheny River, XIV, 56; Gulf of Mexico, VIII, 291; rapids in, XIV, 48; islands, XXVII, 36; lakes on, IX, 328; winds, 307; country described, 328, 329, XVII, 238; secondary rocks, 240, 243; plants, XIV, 129; navigation on, IX, 325; Indians, I, 169, VII, 319, XXVIII, 156; trading-posts, XXI, 104; Quebec, IX, 330; Tadoussac, II, 192, 193; Three Rivers, 35; Loyalists, 44; Charlevoix, XIII, 116; Joliet, XXVII, 36; Franchère, VI, 190; described, II, 34, IX, 322, 324.

St. Lora, Long on, XIV, 98.

St. Louis (Lake Superior), II, 121. See also Mississippi, above.

St. Marie, tributary of Wabash, XIX, 66.

St. Mary (Ill.), sinkholes on, XIV, 98; "Paragon," XXII, 209, 210.

St. Mary (Mich.), as a boundary, XII, 213; Indians on, VIII, 207; Fort Adams, 207.

St. Mary's, distance from Pic River, VI, 392; Pine Point on, 396. See also Bitterroot, above.

St. Maurice, Trois Rivières upon, II, 35.

St. Pedro, agriculture on, XVIII, 359.

St. Peter's. See Minnesota, above.

St. Pierre, missionaries on, XXIX, 233.

St. Quentin, mission on, XVIII, 221.

St. Regis Borgia (St. Francis Borgia), named by De Smet, XXVII, 332, 362; mission on, XXIX, 174; De Smet, XXVII, 379; sketch, XXIX, 174.

St. Stanislaus, named by De Smet, XXVII, 335.

St. Therese, Indians on, XIII, 344.

Salim's Fork, sources, XVII, 138.

Salinas, mission on, XVIII, 280.

Saline Fork, tributary of Little, XVII, 124.

Saline Fork, as a boundary, XIII, 133; Washita tributary, 146, 147, XVII, 59, 84; source, 53; freshets on, 53; settlements, XIII, 146, XVII, 58, 80, 119; Bell on, XVI, 157, 258, 287; sketch, XIII, 146, 147; on Long's map, XVI, 246.

Salmon (Wapiacakoos, Waptacaca, Waptiacoos), named Lewis, XV, 246; identified, XXIX, 31; timber on, XXX, 292; mountains, XXIX, 31, XXX, 92; Indians on, XXVIII, 291; trail, XXX, 240; fishing on, XXVII, 163; Ross explores, VII, 11; Wyeth on, XXI, 69, 73, 74, 83, 327; described, XXIX, 79; sketch, XXI, 69.

Salmon Falls. See Methow, above.

Salt (of Arkansas). See Cimarron, above.

Salt (Saline), Missouri tributary, XIV, 164; width, VI, 164; Say on, XIV, 162; Smith, 151.

Salt (Saline), Ohio tributary, IV, 226, V, 273, X, 231, XIX, 55; mouth, XXII, 202; barrens on, IX, 284; quality of soil, XIII, 60; salt works, III, 196, IV, 271, X, 256, 269, XXII, 201; settlements,

III, 41, 89, IV, 261; Croghan on, I, 137; Cuming, IV, 164, 165, 271; A. Michaux, III, 42, 64; described, X, 245, XVII, 105, 106; sketch, XXII, 201.

Salt, tributary of Snake, XXX, 77.

Saluder, described, XVII, 59, 60.

Samilkameigh. See Similkameen, below.

San Antonio, mission on, XVIII, 281.

San Buenaventura (Severe, Sevier), course, XX, 251; described, 251, XXVIII, 248.

San Carlos. See St. Charles, above.

San Francisco, outlet, XVIII, 284.

San Joaquin, course, XXVIII, 113.

San Juan, as a boundary, XVIII, 69.

San Pitch, Indians on, XXVII, 167.

Sandbay, described by Ogden, XIX, 54, 55; unidentified, 55.

Sandusky, location, VIII, 265; portage, 264; swamps, 185, 196; rapids, 198, 199; navigation on, 78; Indians on, IV, 117, 162, VIII, 199, 201; Indian lands, I, 168, XIX, 81; Buttrick on, VIII, 78, 83; described, 195, 199, XVII, 110.

Sandy, tributary of Green, XXI, 189; trail, 187; buffaloes on, 188; Wyeth, 187, 188; sketch, 187.

Sandy. See Big Sandy, above.

Sangamon (Sangamond), location, X, 269, XIX, 55; navigation on, IX, 190; public lands, 186; settlements, X, 318; Flag on, XXVI, 319; country described, 331; sketch, 319, 320.

Sanpoil, head, XXVII, 372; Indians on, VII, 276, XXVII, 319.

Santa Catarina, agriculture on, XVIII, 359.

Santa Inez, mission on, XVIII, 280.

Santa Maria, tributary of Bill Williams's Fork, XVIII, 136; sketch, 155.

Santee, navigation on, III, 297; A. Michaux, 53, 103.

Santiam (Santa Anna), mouth, XXX, 184; trail, 125; described, 184, 185; sketch, 184.

Santo Tomas, mission on, XVIII, 226.

Saptin. See Snake, below.

Saskatchewan (Bourbon, aux Rapides), as a boundary, II, 168, XXII, 387, XXIII, 14, 46, XXVIII, 156, XXIX, 365; divide, 215; formation, 218; sources, XVII, 175, 236, 239, 240, XXIX, 40, 252, 258; communication with Missouri, XXIII, 34; tributaries, VI, 367, XXIX, 216, 226, 237, 250, 271; outlet, VI, 378, XXIX, 263; secondary rocks on, XVII, 243; coal mines, 239, XXIX, 229; plains, 218, 224; country described, 246, 247; navigation, VI, 377; Indians on, 371, XIII, 344, XXII, 388, XXIII, 19, 75, XXVIII, 156, XXIX, 220; trail, VI, 374; fur trade on, V, 114, 225; trading-posts, II, 168, VI, 252, 295, 298, 365, XXIX, 235, 239, 244, 248; Fort Augustus, VI, 364; Fort Vermillion, 370; priests on, XXIX, 358; Bruguier, VI, 260; De Smet, XXVIII, 16; McDonald, VI, 299; Thibault, XXIX, 408; described, VI, 17, 372, 373; sketch, XXIX, 216.

Savage, portage, III, 336.

Savannah (Savaney), Shawnee on, XIII, 73, XXII, 200; navigation, III, 297.

Sawmill, bridge, IV, 92.

Sawtooth, mountains on, XXI, 236.

Schuyllkill, confluence with Delaware, XXII, 64; falls in, IV, 28; catfish, XXI, 149; frozen, XII,

RIVERS: *Schuylkill* (continued)—

309; improvements, 174, 280; bridges, IV, 25-28, XXII, 65; canal, IV, 36; mills on, IX, 59; Philadelphia, IV, 23, IX, 53; Reading, XXII, 130; Post, I, 188; Hamilton, III, 132; White, XXII, 123; described, IV, 28, XI, 107, 108, XII, 295.

Scioto, location, X, 225; as a boundary, IX, 119, XIX, 79, 80; watershed, XXIV, 151; Ohio tributary, IV, 160, 161, V, 273, XXIV, 146; width, IV, 161, IX, 118; floods, I, 133, IX, 118, XIII, 59; tributaries, IV, 213, VIII, 265, IX, 118, XXIV, 148, 151; mouth, XIX, 151, XXIV, 145; buffalo on, III, 37; coal and limestone, IX, 116; minerals, 310; salt springs, XIV, 58; Indians, I, 54, 168, IV, 220; Indian mounds, XIX, 84, 85; navigation on, IV, 161, 162, IX, 184, 190; ferry, IV, 219; canals, XXII, 153, XXIV, 147, 151; bounty lands, IV, 160; land grants, 226; settlement, III, 186; Chillicothe on, IX, 114, XI, 179, XII, 16; Piketown, IX, 117; Portsmouth, 109, X, 40, XIII, 59; French, III, 131, 182-185; Croghan, I, 53, 133, 134; Dunmore, 131; Gist, 91; Maximilian, XXIV, 149, 151; A. Michaux, III, 35; population, 186; described, IV, 215-218, VIII, 264, IX, 303, X, 230, XVII, 109; historic importance of, I, 134, XXII, 154; sketch, I, 134.

Sèche, Indians on, XXIII, 237.

Seine, trade route, VI, 384.

Semirone. See Cimarron, above.

Seneca (Mo.), as a boundary, XXVIII, 126.

Seneca (N. Y.), Indians on, I, 167; canal to Utica, VIII, 88; aqueduct, XXIV, 179.

Serwarcerna (Sewarzena). See Moreau, above.

Seven Miles Fork, branch of Holston, III, 46, 47.

Severn, tributary of Lake Winnipeg, VI, 378; outlet, XVII, 239; forests on, VIII, 230.

Sevier (Severe). See San Buenaventura, above.

Sewickly, bridge, IV, 73.

Shade, Indians on, IV, 132; Indian mounds, XIX, 84; Nuttall, XIII, 54; sketch, XXII, 151.

Shahalam (Shahales). See Chehalis, above.

Shahaptian (Shahaptin, Shawpatin). See Snake, below.

Sharrameep. See Karamip, above.

Shenandoah, branch of Potomac, X, 200.

Shepherd. See Creeks: Apple.

Shields, De Smet on, XXIX, 343.

Shoshone, buffalo on, XXI, 245; Wyeth, 266; country described, 248.

Sick Men's. See Malade, above.

Similkameen (Samilkameigh), as a boundary, XXIX, 45; Indians on, VII, 276, XXVII, 370, XXIX, 279; Ross, VII, 206.

Sioux, branches, XV, 122; bison, XIV, 278; Omaha, XV, 130.

Siskadee (Skeetskadee). See Green, above.

Six Bulls. See Grand, above.

Skagit, Indians on, XXIX, 153.

Skipanon (Skipenoin), described, XXX, 197, 198; Clark on, 198.

Skunk, Long at, II, 173.

Slaughter, origin of name, XXIII, 71.

Slave, formation, VI, 354; outlet, XXIX, 254.

Smith's Fork, on Oregon trail, XXX, 279; described by Palmer, 76, 77.

Smoky (Boucane), origin of name, VI, 361; location, XXIX, 252; traders and hunters on, VI, 361; described, 361-364.

Smoky Hill, divide, XVIII, 61; confluence with Republican, 50; source, XVII, 138, 140, XVIII, 64; Pratte on, 49, 63.

Snake (Kyeyenem, Lewis, Nez Percé, Saptin, Shaaptin, Shahaptian, Shahaptin, Shawpatin, South Branch), names, VI, 277, XV, 246, XXVIII, 303; as a boundary, XXIX, 30, 47, XXX, 212; on Oregon trail, XXI, 231, XXVII, 248, XXVIII, 11, 113, 310, 321, XXIX, 288, XXX, 90, 98, 240, 280, 281; watershed, XXI, 273, XXVII, 379, XXVIII, 300; drainage, XXIX, 229; Columbia tributary, VII, 140, 141, 146, 182, XXIX, 32, 36; sources, XXI, 185, XXVIII, 229, 264, 306, 310; course, XXI, 266; falls, 255, XXVIII, 113; rapids, V, 230; islands, XXVIII, 314, XXX, 90, 95; tributaries, VII, 208, XXI, 69, 204, 244, 249, 264, 267-269, XXVII, 175, 249, XXVIII, 311, 312, 314, 319, 323, 324, XXIX, 79, 289, XXX, 77, 85, 91-93, 96, 101, 106, 244, 290; mouth, XXIX, 46, XXX, 114, 232; fish in, VI, 281, XXVII, 260; fisheries, XXI, 242, 265; dangers on, XXVII, 273, 274; bison, XV, 246; gold mines, XXVIII, 218; timber, XXX, 292; hot springs, 100; fords, XXVIII, 314, XXIX, 288, XXX, 88, 95, 99, 244; roads, XXI, 266, XXX, 94, 123; country described, XXI, 232-234, 264, 266, XXVIII, 312-314, XXIX, 36, XXX, 289; bluffs, 232, 233; cañon, 91; hills, 83; plains, XXI, 209, 210, XXIX, 289; mountains, 31; Indians, VI, 247, 283, 340, XX, 83, XXI, 192, 262, XXVII, 244, XXVIII, 261, 318, 341, XXIX, 288, XXX, 87, 108, 247; exploration, VII, 11, XXI, 314; traders on, V, 98, 233, VI, 271, 272, VII, 138, 198, 208, 214, 223, 224, 265; Hudson's Bay Company, XXI, 201; Pacific Fur, VI, 277; trading-posts, VII, 214, 217, XV, 246, XXIX, 56, XXX, 98; forts, V, 106, XXVIII, 112, 322, XXIX, 59; De Smet, XXVII, 238, 273, 327; Ermatinger, 235; Farnham, XXVIII, 278, 302, 303, 308-315, 318, 323; Hunt, V, 230, XV, 237; Palmer, XXX, 13, 90, 101; Smith, XIX, 237, 238; Whitman, XXVIII, 323; Wyeth, XXI, 60, 61, 210, 251, 262, 265; described, V, 230-232, VI, 338, 339, VII, 140, XXI, 60, 231, 265, XXVII, 252, XXVIII, 313, 314, XXIX, 79, XXX, 87, 92, 93, 99; sketch, VI, 277.

Snaring (Gens de Colets), location, XXIX, 252.

Snow. See Creeks: Shonkin.

Soldier's. See Creeks: Soldier.

Solomon's Fork, sources, XVII, 138.

Sonora, Hermosillo on, XVIII, 151.

Screl, town on, IX, 327.

Souhegan, described, VIII, 104-106.

South Branch. See Snake, above.

South Fork, Missouri tributary, De Smet on, XXVII, 228.

South Fork of Canadian, described, XVII, 142.

South Fork of Platte, location, XV, 251, XVII, 137; on Oregon trail, XXX, 55, 277, 278; divide, XXVIII, 304; source, XVII, 136, XXVIII, 196, 306; tributaries, XV, 252, 274, 292, XXVIII, 197; mouth, 114; fords, XXI, 173, XXVII, 158, XXX, 55; exploration, XIV, 14, 15; trading-post, XXX, 74; fort, XXVIII, 173; Farnham, 208; Pike, XVI, 34; described, XXVIII, 111, 208, 213; sketch, 306.

South Fork of Spring, described, XVII, 35.

South Fork of Youghiogheny, III, 333.

Spanish. See Colorado (of California), above.

RIVERS (continued)—

Spokane, as a boundary, VII, 276, XXVII, 379, XXIX, 37; divide, XXVII, 379; source, VII, 211, XXVII, 365; timber on, XXX, 292; mountains, XXIX, 30; plains, XXVIII, 17, XXIX, 173, 289; Indians on, VII, 276; agriculture, XXIX, 92; trading-posts, VI, 252, 283, 298, 304, 345; missions, XXVIII, 338, XXIX, 97, 126; Clarke on, VI, 280, VII, 208, 209; De Smet, XXIX, 289, 302; described, 36-39, 78, 289, 290; sketch, XXVII, 366.

Spoon (Demi Quain), described, X, 269.

Spring, sources, XVII, 35, 125; tributaries, 35; navigation, 131; Davidsonville, 28; described, 34, 35.

Stikeen, British traders on, XXIX, 53.

Stinking Fork. See Creeks: Walnut.

Stinking Water, De Smet on, XXVII, 228.

Stoner's Fork, Cuming on, IV, 179.

Strawberry, sources, XVII, 37, 125; navigation, 131; settlements, 127; Long on, 34; sketch, 35.

Stuart, source, XXIX, 80, 121; mouth, 276; New Caledonia on, VII, 194; sketch, XXIX, 80, 81.

Sturgeon. See Maligne, above.

Sulphur Fork, formerly Little River of the South, XVII, 77.

Suppa, unidentified, VII, 135.

Surwarcarna. See Moreau, above.

Susquehanna, source, XIV, 52; course, XXII, 110; tributaries, I, 23, III, 320, 324, IV, 53, 54, 59; width, III, 137, IV, 37; falls, 37; islands, III, 137, 138, IV, 37; floods, XXIII, 237; coal mines, V, 276, XXII, 111; Indians, I, 82, 90, 128, 167, 235, 237, II, 43, XIII, 37; trails, I, 22, 189; portage, III, 338; fords, XXVI, 331; bridge, XII, 182, 291; fort, I, 188; commerce, IV, 59, 62, XXII, 112; Donegal on, I, 90; Cuming, IV, 42; Harris, I, 237; Maximilian, XXII, 112; A. Michaux, III, 50-52; F. A. Michaux, 136, 138; Post, I, 188, 189, 229, 291; described, III, 137, 138, IV, 30, 36-38, IX, 66, XIII, 37, XXII, 131, 132; view, XII, 184.

Swan, gold mines on, XXVIII, 218.

Swatara, Maximilian on, XXII, 131.

Sweetwater (Eau Sucré), as a boundary, XXVIII, 187, XXX, 65; location, XXVII, 220; on Oregon trail, XXVIII, 11, 112, 282, XXX, 278, 279; sources, XXVIII, 305; tributaries, XXX, 67; Three Crossings, 68, 69; De Smet, XXVII, 212, 228, 238; Palmer, XXX, 69-71, 247, 248; Wyeth, XXI, 53, 183; described, 184, 186, XXVII, 238, 241; sketch, XXI, 53.

Tabeau (Tebo, Tabo), course, XIV, 165.

Tacoutché Tessé. See Fraser, above.

Tallapoosa, Natchez Indians on, XIII, 303, 352.

Tansy. See Teton (Mont.), below.

Tapteet. See Yakima, below.

Tarkio, mouth, XXII, 260.

Tennessee (Cherokee), derivation of name, III, 272; French name for, 74, 75, 93; as a boundary, XIV, 91, 107, XXVI, 216; location, III, 93, VIII, 276, 304; largest Ohio tributary, III, 271, V, 273; source, III, 271; bed, XIV, 51; channel, III, 75; course, XIV, 49; muscle-shoals in, III, 272; size, XIV, 144; channel, III, 75; tributaries, I, 135, III, 46; mouth, XXVI, 77; islands, IV, 276; iron ore, XVII, 234; saltpetre, V, 278; road, VIII, 63; Indians, IV, 292, 293; commerce and navigation, III,

266, 282, VIII, 293, 339, X, 208; highway robbery, IV, 269; Cumming on, 276; Lashley, 207; Long, XIV, 82; A. Michaux, III, 81; Talbot, VIII, 73; described, 292, XIV, 82, 83, 91, XVII, 105, 106, XIX, 94, XXII, 203; sketch, VIII, 292, 293.

Tensa, confluence with Ocatahoola, XVII, 61; floods, XIII, 303; described, XVII, 59-61.

Teton (Idaho). See Pierre, above.

Teton (Mont., Rose, Tansy), XXIII, 93, 94, XXVII, 225; Indians on, XXIII, 139; traders, 154.

Teton (S. Dak., Bad, Little Missouri, Watpa Chicha), XXII, 315, XXIV, 45, XXVII, 226; width, VI, 166; Indians on, XXII, 305, 325; Fort Pierre near, XXIII, 25, XXIV, 82, 93, XXVII, 150, XXIX, 232, 233; extreme cold, XXIV, 66.

Thames, enters Lake St. Clair, VIII, 227; Indians on, 228; in War of 1812-15, 205; battle of, 181, 227, XXVI, 215; London on, VIII, 228; "Ruthy," XI, 34.

Theakiki. See Kankakee, above.

Thomas's Fork, mouth, XXX, 77; hill near, 78.

Thompson, as a boundary, XXIX, 279; mouth, 81; Indians on, VII, 159, XXIX, 182, 275, 278; Hudson's Bay Company, XXI, 344; fort, VII, 199, XXIX, 59, 182; Black, XXI, 344; Ross, VII, 199; Stuart, 158; population (1846), XXIX, 278; sketch, VII, 159.

Three Rivers, "Yellowstone" on, XXII, 312.

Tippecanoe, battle of, VIII, 285, 286, XIX, 66.

Tobacco, location, XXIX, 203.

Tobeco, road, I, 190, 191.

Tobihanna, forest scene on, XXV, 4.

Toe, in North Carolina mountains, III, 56.

Tombigbee, as a boundary, VIII, 65, XVII, 237; location, VIII, 312; Alabama tributary, XVII, 188, 238, 246, 249; commercial highway, VIII, 293, 294; French on, XIII, 359.

Tonawanda, Maximilian on, XXIV, 177.

Tongue (La Rivière à la Langue), affluent of Yellowstone, XXII, 374; sources, 291; Indian reservation on, V, 140; De Smet on, XXVII, 228.

Tootootutna. See Rogue, above.

Torrent, De Smet on, XXVII, 228.

Tortue. See Creeks: Crooked.

Touchet, sketch, XXX, 232.

Towarnahooks. See Deschutes, above.

Traverse, Indians on, XXVII, 387, 388; De Smet, 228.

Trembles (Rivière aux). See Big Muddy, above.

Trinity, as a boundary, XXVIII, 122, 150; drainage, 109; sources, XVII, 148, XX, 239, 254; Shawnee on, XXVIII, 137; Spanish, XVI, 208; La Salle, XXVII, 40; described, XXVIII, 115.

Trou (La Fourche du, Hole, Whirlpool), branch of Athabasca, VI, 354; source, XXIX, 261; De Smet on, 252, 260; sketch, 260.

Tsillane. See Chelan, above.

Tualatin, described, XXIX, 16, 168; sketch, 16.

Tug, confluence with Levisa Fork, XXII, 154.

Tukenon (Kimooenem, Tukanan), distance from Dalles, XXX, 290; timber on, 292; sketch, 290.

RIVERS (continued) —

Turkey. See Gallinas, above.

Tuscarora, as a boundary, VIII, 200; Indians on, IV, 90; scenery, XXIV, 157.

Twenty-five Yard, mouth, XXVII, 392; De Smet on, 228.

Tyler. See Creeks: Medicine.

Umatilla (Umatallow, Utalah, Utalla), name, XXI, 276; as a boundary, XXX, 117; on Oregon trail, 281; distance from Priest's Rapid, VII, 144; Columbia tributary, VI, 338, VII, 135; length, XXIX, 45; width, XXX, 115; mouth, XXIX, 79; affluents, XXI, 348; timber on, XXX, 292; as a highway, 290; Indians on, V, 233, VII, 198, XXX, 114; Astorians on, VII, 240; Crooks and Day, 190; Keith, 265; Palmer, XXX, 14, 109, 111, 112, 114, 242; Stuart, VII, 188; Wyeth, XXI, 276, 277; described, XXIX, 45, 46, XXX, 115. See also Walla Walla, below.

Umpqua, location, XXIX, 121; mouth, XXVIII, 31; harbor, XXX, 294; trading-post, 295; fort, XXIX, 59; farming, 60; Smith on, XIX, 238; described, VII, 231, XXIX, 48, 49, 82, XXX, 191, 297; sketch, VII, 231.

Unjegah (Unjighah). See Peace, above.

Upper Knife. See Creeks: Goat Pen.

Vado de Piedras. See Colorado (of Canadian), above.

Vancouver, trading-post on, XXX, 295.

Vaseau. See Boggy, above.

Verde, location, XVIII, 130.

Verdigris (Wassuja), as a boundary, XX, 254, XXVIII, 126; topography, XVII, 123; Arkansas tributary, XIII, 235, 280, XVI, 282; distance from Grand, XIII, 244; sources, XVII, 125, XX, 249; course, XVI, 255, XVII, 36; mouth, XVI, 251, XVII, 120; tributaries, XVI, 262; rapids in, XIII, 235; geological formation, 236, 237; Indians on, V, 191, XIII, 237, 251, 258, XVI, 274, 284, XVII, 155, XXVIII, 131; fur-traders, XIII, 13; trading-posts, 61, 228, 246, XVI, 185, XIX, 177; settlements, XVII, 128; Bell on, XIV, 17, XVI, 243, 256, 267, 281, XVII, 101; Nuttall, XIII, 13, 234, 244, 256, 263, 267; Willard, XVIII, 334; described, XIII, 234, 235, 276, XVI, 281, 282; on Bijeau's map, 256.

Vermilion (Ill.), Illinois tributary, IX, 187; Indians on, I, 143; settlement, XXVII, 21; sketch, 22.

Vermilion (Ohio), Croghan on, I, 109; Evans, VIII, 193.

Vermillion, tributary of Kootenai, mouth, XXVII, 153; trading-post on, VI, 370; described, XXIX, 212, 213; sketch, 212.

Vermillion (Wassisha, S. Dak.), originally Whitestone, VI, 87, XV, 60, XXVII, 227; width, VI, 166; rapids in, 87; mouth, XXIV, 101; Sioux on, V, 90; Indian superstition concerning, XV, 60; De Smet on, XXVII, 228.

Verte (Rio). See Green, above.

Violin. See Fiddle, above.

Wabash (Ouabache), as a boundary, VIII, 283, XIX, 53, 65, 67, XXII, 178, XXVI, 329, 340; location, XVII, 110; Ohio tributary, V, 273, X, 268, XII, 230, XVII, 107, XIX, 69; bed, X, 257; course, XXII, 189; size, XI, 251, XXII, 203; width, I, 137, X, 48, XXII, 245, 251, XXIV, 136; ice on, XIX, 170; floods, XXII, 182; islands, 168, 191; rapids, XI, 217; mouth, XIX, 43, XXVI, 65, 68, 75, XXVII, 75; tributaries, VIII, 265, 285, 286, IX, 190, X, 52, 269, 270, XIX, 36, 55, XXII, 188, 191, 193, XXIV, 136, XXV, 8, 38; windstorm, XI, 218; fishes, XXII, 187; animals, 167-171; birds, 19, XXIV, 345, 346; ducks, XXII, 196; parrots, 169; rats, X, 244; turkeys, XXII, 192; shells, XI, 264; coal 213; salines, V, 169, 276; silver, VIII, 283, XIX, 65; country described, XXIV, 133, 136; bot-

toms, I, 137, 140, 144, XVII, 114; forests, XXII, 185; swamps, X, 47; plants, XXII, 166, 167; corn, X, 300; pawpaws, 249; Indians on, I, 27, 91, 139, 146, 164, 168, 172, II, 41, 46, IV, 90, VIII, 287, XIII, 322, XV, 69, XIX, 72, XXII, 172, 177, 178; Indian burial grounds, XI, 209, XXII, 177, XXIV, 201; navigation on, IX, 190, X, 154, 256, 263; commercial highway, VIII, 284, X, 142, 269, XII, 237, 257; forts on, I, 117, XIX, 69, XXVII, 75; hunters, XI, 258; frontiersmen, XXII, 378; emigrants, X, 13, XXVI, 84; settlers, XXII, 140, 163, 177; settlements, IX, 71, X, 48, 50, 104, 129, 137, 254; Albion, 153; Bonpas, 259; English Prairie, 325; Harmony, XII, 241; New Harmony, X, 54, XXV, 35; Newhaven, X, 257; Palmyra, 266; Vincennes, VIII, 284, XII, 235, XIX, 70; portage, I, 149; canal, XXVI, 66; ferry, X, 52, 312, 314, XI, 280, XII, 243, 260; mills on, 246; steamboats, XXII, 196; railroad, XXVI, 120; cost of living, XXII, 183; Birkbeck on, X, 49; Clark, XVIII, 30, XXVII, 90; Croghan, I, 50, 140, 149; Harrison, X, 268; Hulme, 53; Long, XIV, 78, 79; Maclure, XXII, 13; Maximilian, 13; A. Michaux, III, 66, 67; Nuttall, XIII, 70; Vincennes, XXIV, 137; Woods, X, 253; described, I, 149, 150, IV, 270, VIII, 285, X, 253, 269, 315, XI, 206, XVII, 109, XIX, 66, XXII, 164, 165, 188, 195, XXVI, 65, 66; sketch, I, 137.

Wahconda (Wakanda, Wakenda), sketch, XV, 180.

Wahnaacha. See Pischous, above.

Wailua, timber on, XXX, 292.

Walla Walla, Columbia tributary, VI, 338; mouth, XXI, 278, 355, XXIX, 78; course, 185; length, 45; tributaries, XXVIII, 328, XXX, 232; timber on, 292; country described, XXVIII, 335, 336, XXIX, 45, 46; Indians, VI, 338, XXX, 108, 114; trading-post, 295; mission, XXVIII, 333, 337, 376; Astorians on, VII, 198, 221, 240; Clarke, 214; De Smet, XXIX, 287; Farnham, XXVIII, 346; Keith, VII, 265; McKenzie, 185, 221; Palmer, XXX, 229, 230; Ross, VII, 207; Stuart, 207, 223; Townsend, XXI, 347, 349; described, VII, 136, XXI, 278, XXVIII, 334.

Wapiacakoos (Waptacaca, Waptiacos). See Salmon, above.

Warreconne (Warecore, Warrican). See Big Beaver, above.

Washington, identified, VI, 247.

Washita (Bahachaha, False Washita, Faux Ouachitta, Fouxoacheta, Ouiuaghitia, Rio Negro) tributary of Red, V, 242, XVI, 106, XX, 217; as a boundary, 254, 255; location, XIX, 64; divide, XX, 216, 238; source, 239; outlet, 252; tributaries, XVI, 142; salt deposits, V, 242, XX, 248; lead mines, V, 248; Indians, XIV, 304, XVI, 95, XX, 111; described, XVI, 138, 139, XVII, 78, 79, XX, 212; sketch, V, 242, XVI, 138.

Washita (Ouachita, Ouashita, Ark.), XVI, 138; as a boundary, XIII, 132, 133, XVII, 77; location, 122; climate, 84; elevation, 228; source, XIII, 156, XVI, 191, XVII, 44, 51, 216; course, 53, 59; mouth, 60; freshets, 53, 54; earthquakes, 89; tributaries, XIII, 146, 351, XVII, 46, 52, 53, 58-60, 80, 90; hills on, VI, 155, XVII, 229; clay slate, 244; granite, 231, 235, 244; hone-slate, XIII, 211, 225; petrosilex, XVII, 222; puddingstone, 225; oil stone, XIII, 168; minerals, XVII, 229; salt springs, XIII, 329; hot springs, 158, 218, 282, XVII, 12, 42, 44, 82, 83, 104, 218, 222, 227, 242; bison, XIII, 168; Indians, 303, 330; navigation, XVII, 130; explorers, VI, 155, XIII, 12, 283, 331; post, 147; settlements, XVII, 127; commerce, 50; described, 54, 124.

Washougal (Wasougal, Wasough-ally), Astorians on, VII, 119; described, XXX, 224.

Wassuja. See Verdigris, above.

Watauga (Wataga), settlements on, XIII, 183; road, III, 46.

Wateree, Columbia on, XI, 75; Faux, 76.

Weeping Water, as a boundary, XXII, 251; mouth, XXIV, 109.

Wenatchee. See Pischous, above.

RIVERS (continued)—

Weshawauks, Post on, I, 191.

Wetarko (Weterhoo). See Grand, above.

Whirlpool. See Trou, above.

White (Ark.), Mississippi affluent, V, 246, XIII, 110, 122, XVII, 125, XXVI, 109; as a boundary, XIII, 132, 177, XVII, 127; drainage, 27; location, 122; source, XIII, 171, XIV, 144, XVII, 30, 53, 216; bed, 31; length, 27; width, V, 186; freshets, XIII, 101, 102, XVII, 125; tributaries, 24, 28, 34, 37, 223; outlet, XIII, 294, XVII, 38; maples on, XIII, 104, 161; petrosilex, XVII, 222; silver mine, XIII, 181; turkeys, XVII, 32; Indians, XIII, 116, 328, XVII, 41; navigation, IV, 299, V, 246, XVII, 25, 131; ferries, 24, 25; settlements, IV, 298, 299, XIII, 96, 146, XVII, 28, 29, 33, 127; roads, XXII, 208; public surveys, XIII, 165; land grants, 107; Long on, XVII, 25, 33; Nuttall, XIII, 97-99; Pilgrims, 294; described, XVII, 25-27, 31, 83.

White (Ind.), Wabash tributary, as a boundary, XXIV, 45, 90; location, VIII, 285, 315; width, 315; mouth, XXIV, 94; tributaries, 141, XXVIII, 138, XXX, 30; fossils, XXIV, 138; bottoms, XI, 212; mud-holes, X, 62; Bad Lands, XXIV, 90, 91; public lands, IX, 185, 280; Indians on, XXII, 96; navigation, IX, 190; settlements, 287, X, 328, XII, 230, 271; ferry, XI, 205, 217, XXIV, 139; described, XI, 203, XXIV, 140; sketch, 136.

White (Oregon), affluents, XXX, 126. See also Winnipeg, below, and Creeks: Walnut.

White (S. Dak.), Missouri affluent, source, VI, 96; size, 147; width, 96; mouth, XXII, 302; hills, VI, 155; chalk in, XXVI, 264; Indians on, XIV, 275; navigation, VI, 147, 148; described, XXVII, 226.

White Earth (Rivière Blanche), mouth, XXIII, 214; size, XXVII, 226; Mandan on, XXIII, 313; trading-post, 228. See also Muddy, above.

White Salmon, location, XXIX, 80; Indians on, XXVII, 387.

Whitestone. See Vermillion (S. Dak.), above.

Whitewater. See Creeks: Walnut.

Willamette (Multnomah), Indian name, XXX, 163; as a boundary, 169, 215; Columbia tributary, VI, 248, VII, 114, 118; location, XXIX, 48; falls, VII, 229, XXVII, 389, 390; length, VII, 114, tributaries, XX, 23, XXI, 320, XXX, 134, 168, 169, 172, 175, 177, 178, 184; freshets, XXIX, 89, XXX, 182; mouth, XXI, 300, 305, 319, XXIX, 13, 34, 63, 67, 80, XXX, 167, 206, 209, 223; beavers on, VI, 266, 267; coal mines, XXIX, 51; mill sites, XXX, 296; mountains, XXIX, 62, XXX, 155; Indians, VI, 247, 263, VII, 229-232, XXI, 303, XXVII, 387, XXX, 125; explored, VI, 247, VII, 229; traders on, XXI, 300; Astorians, VI, 273, 281, VII, 118, 228, 245, 254, 261; North West brigade, VI, 312, VII, 254, 260; trading-post, VI, 279; fort, XXI, 297; navigation, VII, 114, XXX, 166, 167, 222; settlements, XXVII, 389, XXVIII, 10, XXIX, 27, 194, XXX, 158, 162, 179, 180, 204, 213; locks, XXI, 301; missions and missionaries, 299, XXVII, 389, 390, XXIX, 20, 26, 133, 164; farming, XXI, 73; Americans, XXIX, 17, 120; Carson, V, 93; De Smet, XXIX, 179; Farnham, 27; Franchère, VI, 246, 313; Gervais, VII, 231; Gray, XXI, 353; Henry, VI, 313; Larocque, 282; Lee, XXVIII, 364; McKenzie, VII, 228, 239; Meek, XXX, 13; Palmer, 223; Thompson, 142; Walker, 190; Wilkes, XXIX, 72; Wyeth, XXI, 300; "Dolly," VII, 160; population (1839), XXIX, 91; described, VI, 313, 314, VII, 229, 231, XXI, 300, 301, XXIX, 14-16, 49, 50, 119, 120, 166, XXX, 162, 163, 186, 296.

Williams Fork, course, XXVIII, 220.

Wind. See Big Horn, above.

Winnepenh. See Grand, above.

Winnipeg (Maurepas, White), origin of name, VI, 382; outlet, 378; tributaries, XXIX, 216;

portages, VI, 381, 382; fur trade, V, 225; North West brigade, VI, 379; Fort Alexander on, 379; mission, XXIX, 240; sketch, VI, 382.

Wisconsin, as a boundary, XVII, 109, 177; topography, 110; Mississippi tributary, VII, 178, VIII, 291, XVII, 190; source, 232; mouth, II, 189, 190, XXVIII, 141; Indians on, I, 139, VIII, 292; portage, II, 187, VII, 178, XVII, 110, 177; Jolliet and Marquette on, XIX, 45, XXVII, 35; Hennepin, XIX, 47; Lahontan, II, 28; Astorians, VII, 178; trading-post, IX, 188; described, II, 187, XVII, 110.

Wisdom. See Big Hole, above.

Wissahickon, slate on, XIII, 37.

Wolf, Mississippi tributary, IV, 292, VIII, 304.

Wolf. See Loup, above.

Wood (Du Bois, Ill.), Mississippi tributary, X, 269, XIX, 54, XXVII, 228; as a boundary, XXI, 99; Lewis and Clark on, XIX, 55, XXIII, 222, XXVII, 228.

Wood (Great Wood), Platte tributary, sketch, XV, 224. See also Malade, above.

Yaac, location, XXIX, 202.

Yadkin, Daniel Boone on, XXVI, 231.

Yakima (Eyakema, Tapteet, Yankiman), as a boundary, VII, 276; timber on, XXX, 292; Astorians, VII, 143; described, XXIX, 79; sketch, VII, 141.

Yamhill, as a boundary, XXX, 173, 174; source, 172, 175; size, 177; described, 172-177.

Yampah. See Little Bear, above.

Yankton, as a boundary, XXIV, 13.

Yaqui, Indians on, XVIII, 149; described, 147.

Yaquina, course, XXX, 167.

Yazoo, Mississippi tributary, IV, 304, 305; location, VIII, 312; source, IV, 355; width, 305; Indians on, XIII, 357, 363; Craft, III, 188.

Yellow, Indians on, VI, 371.

Yellowhead, tributaries, XXIX, 252.

Yellowstone (Keheetsa, Roche Jaune), XXII, 275; various names for, 375, XXIX, 399; as a boundary, XXI, 22, 184, XXII, 352, XXIII, 29, 34, 48, XXIX, 224, 365; divide, XXIII, 244; Missouri tributary, XXII, 383, XXVI, 16, 109; source, VI, 155, XIV, 48, XVI, 59, XVII, 193, XVIII, 143, XXI, 54, XXVIII, 264, XXIX, 288, 341; course, XXIII, 58; mouth, XXI, 46, XXII, 250, XXIII, 198, 199, 207, XXVII, 149, 183, 224, 228, 400; tributaries, V, 47, XVIII, 141, XXII, 369, 374, XXIV, 103, XXVII, 146, 392, XXIX, 30; coal on, V, 243, XXIX, 229; obsidian, XXIII, 278; sand in, XXVI, 264; beavers, XXIII, 250, XXIV, 101, 102; buffalo, XXIX, 400; elk, XXII, 383; lizards, XXIII, 250; prairie cocks, 50; turkeys, XXII, 297; Indians, XV, 56, XXII, 305, XXIII, 317, XXIV, 50, XXVIII, 266, 319, XXIX, 321; in Indian folk lore, XXIII, 382; navigation on, XX, 251; trading-posts, XXI, 45, XXII, 235, 353, 377, XXIII, 189, 214, XXVII, 145; American Fur Company, XXVIII, 265; Missouri Fur, V, 44; forts on, IX, 165, XIX, 63, XXII, 300, 345, 374, XXVII, 146, XXIX, 232; Fort Union, XXIV, 317; Austin on, XXVI, 265; Campbell, XXIII, 198; De Smet, XXVI, 17, XXVII, 177, 182, 228, 392, 398, 400, 402, XXIX, 336, 343; Gardepied, V, 76; Henry, XIX, 237, XXII, 294; Hunt, V, 100; Immel, XIV, 283; Ogden, XXI, 314; Pattie, XVIII, 14, 141; Point, XXIX, 399; Smith, XIX, 237; Wyeth, XXI, 11; steamboats on, XXII, 33; "Assiniboin," 15, 240, 358; described, XXI, 83, XXII, 373, XXVII, 225, 226, 399, 400; on Pike's map, XV, 235; sketch, V, 100.

Youghiogheny, variants of name, III, 330, 333; Monongahela tributary, 161, 338; sources, XIV,

RIVERS: *Toughiogheny* (continued)—

54; falls in, III, 333; tributaries, 333, X, 211; Big Crossing on, 211, 212; road, III, 328, 330; Indians on, I, 24; described, III, 330-333, X, 212.

Young (Kilhawānackkle), described, XXX, 198, 199.

Yungar. See Niangua, above.

Road Maker. See Addih-Hiddisch.

ROADS: buffalo paths, V, 99, VI, 106, XIII, 211-213, XV, 308, 310, XVI, 24, 65, 72, 143, 144, XVIII, 140, XIX, 236, XX, 133, XXIII, 36, 51, 63, 181, 214, XXVIII, 92, XXX, 48; other animal tracks, XXII, 189, 328, 329, XXIII, 36, XXIV, 108; Indian trails, I, 21-23, 125, 156, 189-191, 242, 247, 324, III, 18, 153, 261, IV, 262, 264, VI, 75, VII, 12, 276, VIII, 41, 150, 156, XIII, 39, 145, 264, 272, XV, 175, 203, 204, XVI, 33, 95, 122, 140, 247, 249, 250, 258-262, 264, 285, XXI, 52, 149, 174, 242, 244, 251, 291, 293, XXIV, 110, 157, XXVII, 253, 328, XXVIII, 217, 230, 299, XXIX, 184, 195, 290, 341, XXX, 125; Big Hole trace, XXVII, 253; Bannock trail, XXVIII, 318, 319; Clatsop, XXX, 170; Mandan, V, 150, XXIV, 20; Omaha, V, 86, XXIV, 107; Osage, XIII, 236, XIV, 162, 164, XVI, 282; Pawnee, XVII, 262; Pueblo, XX, 69; paths, III, 225, XIII, 223, XIX, 144, XX, 142, XXII, 100, XXVIII, 152, XXIX, 211, XXX, 63; wagon-roads, III, 85, 225, 347, IV, 114, 125, 249, 282, 298, 315, 328, 332, V, 227, VI, 385, XIII, 227, XIV, 164, XVII, 32, XIX, 233, XX, 108-176, XXVI, 184, 207, XXVIII, 114, 294, 300, 322, XXIX, 44, XXX, 14, 19, 78, 120, 139, 152, 157, 190, 191, 244, 246, 297; causeways, VIII, 54, XXII, 50; stage-roads, III, 129, 130, 133, 313, 349, IV, 108, 110, 112, 169, 173, 196, 197, VIII, 41, 110, IX, 48, 315, X, 35, XI, 161, XV, 193, XVI, 24, XXII, 94, 128, 129, 144-146, XXIV, 139, 164, XXVI, 247, 252, 361 (see also Transportation: Routes); turnpikes, III, 134, 253, 369, IV, 29, 30, VIII, 41, 56, 89, IX, 65, 81, X, 198, XIII, 38, 39, 42, 44, XIV, 54, XIX, 191, 192, XXIV, 139, 141, XXVI, 260; tolls, IV, 33, IX, 105, XII, 203, XXII, 135, XXIV, 169; post-roads, V, 38, X, 326, XXIV, 138, XXVI, 245; military, VIII, 63, 209, XXX, 184; Braddock's, III, 327, 328, X, 214; Forbes's, I, 22, III, 28, 153, 328, 371, IX, 81; Mullen's, XXVII, 379, XXIX, 307.

Noted roads: Boone's Lick (Mo.), V, 52, XXVI, 277, 278; Bright's trace (N. C.), III, 56; Field's (Mo.), XV, 179, 185; Genesee, VIII, 41, 42, 56, IX, 97; Great Western turnpike, VIII, 56, 118, 119, 127, 131, 132; Hot Springs trace, XIII, 147, 158, 218, XVII, 42, 53, 55; Lancaster pike, III, 136, IV, 29, 33, 34, IX, 64, XI, 15, XII, 178, 295; Maysville pike, X, 65; Natchez trace, III, 253-255, IV, 313, 321-323, 327, VIII, 10; National (Cumberland), I, 22, III, 50, 140, 328, 363, IX, 59, 64, 65, 81, 105, X, 13, 36, 77, 207-209, 214-216, 220, 221, 327, 353, XI, 13, 138, 145, 166, XII, 202, 203, 284, 288, XIII, 44, 51, XIV, 60, XXI, 36, 39, XXIV, 120, 152, XXVI, 243, 278, 359, 360; Oregon trail, XIX, 193, XXI, 10, 49-276, XXVI, 16, XXVIII, 197, 242, 248, XXVIII, 52, 97, 112, 113, 193-195, 198, 258, 282, 295, 297, 321, 328, 359, XXX, 18, 19, 28-255; California branch, XXI, 192, XXVIII, 112-114, 295, XXX, 70, 87, 90, 91, 190-192, 247; Sublette's cut-off, XXVII, 242, XXX, 76 (see also De Smet, Farnham, Palmer, Townsend, and Wyeth); Santa Fé trail, XIV, 164, XV, 282, XVI, 65, 95, 230, 237, XVIII, 10, 75, 332, XIX, 11, 15, 180, 181, 197-256, XX, 91-93, 115, 136, 138, 141, 218-221, 229, 240, 252, 275, 283, XXI, 192, XXII, 231, 336, XXIII, 386, XXVIII, 11, 52-58, 62, 65, 76, 92, 97; branches, XVI, 191, XX, 217, 226, 239, 240; Cimarron route, XVI, 230, XIX, 218, XXVIII, 97 (see also Commerce and Gregg); Wilderness (Ky.), III, 16, 18, 43, 46, 59, 94, 225, 258, 259, XVIII, 9; Zane's trace (Ohio), IV, 203, IX, 119, X, 67, 76, 232, XI, 16, 176, XII, 205.

Localities: on Alleghanies, III, 319, 328, 365, 366, IX, 67, 70, 76, 77, X, 36, XII, 188, 192, 195, XIII, 39, XXII, 117, 118, 134, XXX, 195; Arkansas, IV, 298, XIII, 110, 142, 147, 158, 295, XVI, 183, XVII, 28, 42, 57, 58, 83, XIX, 218; Bitterroot Mountains, XXVII, 334; Blue Mountains, XXI, 275, XXX, 109; California, XVIII, 277; Canada, IX, 333, XXIII, 353, XXIX, 193; Cascade Range, XXX, 129-132, 136, 140, 142, 143, 147-150, 153, 155, 221, 223; Coast Range, 195; Florida, IV, 332, 333,

336-339, 343; Illinois, 274, X, 326-329, XII, 243, 248, 249, XVII, 92, XIX, 61, XXVI, 245, 246, 253, 254, 296, 329, XXVII, 22, 46, 69, 81, 93, 101; Indiana, IV, 261, 262, 266, 267, VIII, 77, X, 62, XI, 205, 251, XII, 235, 241, 262, 267, XIX, 69, 71, XXII, 162, XXIV, 132; Kentucky, I, 135, III, 35, 38, 41, 43, 58, 65, 86, 88, 195, 197, 207, 211, 213, 217, 222, 225, IV, 174, 180, 181, 189, 191, 195, 203, 266, 274, VIII, 279, IX, 128, 146, 147, X, 65, 233, XI, 181, XII, 15, 217, 218, 225, 271, XIX, 37, XXII, 208; Louisiana, IV, 327, 340, 367, VIII, 337, XIX, 127; Maryland, X, 201; Massachusetts, XXII, 45-47; Mexico, XVIII, 172, 317, XX, 148-157, 161-164, 167, 175, 179; Michigan, VIII, 83; Mississippi, IV, 308, 313-318, 327, 328, 330-332, 345-349, XIX, 61; Missouri, IV, 282, XIII, 236, XVII, 50, 87, 226, XIX, 188, XXI, 125-129, 131-133, XXIV, 124-126, XXVI, 258-263, 284, 297, XXVII, 119, XXX, 33; Nebraska, XV, 193; New Jersey, XII, 166; New Mexico, V, 66 (see also Mexico); New York, VIII, 118, IX, 30, XII, 76, 78, XIX, 150, 152, XXIV, 165, 170, 174, 184; North Carolina, III, 100, 101, 290; Ohio, I, 124, IV, 101, 103, 113, 114, 125, 160, 167, 203-205, 210, 216, 220, 221, 224-227, 230, 233, VIII, 196, IX, 299, 301-303, 308, 309, XI, 16, XII, 205, 213, 275, XIII, 36, 37, XIX, 35-37, 141, XXI, 39, XXII, 157, XXIV, 152; Oregon, XXIX, 95, 184, 194, XXX, 18, 102, 103, 107, 152, 173, 182, 184, 191, 222, 224, 255; Pennsylvania, I, 22, 125, 191, 238, 247, 249, 264, III, 28, 142, 146, 147, 149, 153-155, 187, 262, 319, 328, 330, 337, 347, 371, IV, 25, 37, 46, 49, 51, 62, 68, 72, 75, 95, 101, 112, 234-236, 238-242, 245, 251, 252, IX, 9, 53, 64, 65, 67, 71, 81, X, 12, 214, XI, 13, 15, XII, 195, 198, XIII, 38, XVII, 253, XIX, 27, XXII, 63, 74, 77, 104, 111-113, 115, 116, 121, 123, 126, 131; Rockies, XVIII, 139-142, XXVIII, 193, 194, XXIX, 42, XXX, 240 (see also Oregon trail, above); South Carolina, III, 54, 103, XI, 68, 74; Tennessee, III, 58, 60, 95, 96, 265, 269, VIII, 63; Virginia, III, 48, 170; Washington, XXX, 213; West Virginia, III, 170-172, 337, 371, IV, 140, 141, 226, 237, X, 220; Wind River, XXX, 77, 78.

Streets: Albany, VIII, 117, XXIV, 189; Alton (Ill.), XXVI, 119; Baltimore, X, 190; Boston, XXII, 42, 49; Buffalo, XXIV, 161; Charleston (S. C.), III, 121, XI, 69; Chillicothe (Ohio), IV, 216; Cincinnati, X, 235, 236, XIX, 36; Cleveland, XXIV, 159; Greenville (Miss.), IV, 316; Jacksonville (Ill.), XXVI, 306; Kansas City (Mo.), XXVII, 135; Lexington (Ky.), III, 199; Louisville, XIX, 132; Natchez, 131; New Orleans, XIII, 307, 309, 315, XIX, 123, 124; New York, XII, 165, XIX, 154, XXII, 57; Paris (Ky.), IV, 197; Philadelphia, XXII, 63, XXVII, 29; Pine Bluff (Ark.), XIII, 139; Pittsburg, X, 217; St. Louis, XI, 263, XXVI, 115, 143, 144, 151, 161, 163, 164; Utica (N. Y.), XXIV, 186; Vandalia (Ill.), XXVI, 243; Vincennes (Ind.), XXIV, 138; Washington, XI, 112.

Construction: blazing, X, 52, 260, 264, XII, 241, 242, XIV, 286, XXVI, 245; cut by hurricane, X, 259; built of logs (corduroy), IX, 301, X, 219, XXII, 100; of sand, IX, 50, X, 191, 199; gravel, IV, 224; loam, XXVI, 181; stone, IX, 75; paved, III, 130, 135, IV, 31, 40, 76, 182, VIII, 337, X, 64, 65, XII, 172, 221, XIV, 66, XVIII, 317, 379, XX, 174, 187, XXII, 41, 69, 77, 85, 89, 130, 134, 138, 147, 164, 211, XXVII, 57; unpaved, XXIV, 137, 146, 165; macadamized, IX, 64, X, 65; planned, IX, 307; convict labor, XII, 78; repairs, IV, 210, XIII, 40, 41; implements, XII, 203; guide posts, IV, 51, 213; milestones, 49; inundated, XXIX, 192; built by French, I, 102, III, 339, XIII, 361; condition of, VIII, 10, 42, 48, IX, 127, 128, 216, 253, X, 76, 310, XI, 14, 68, 74, XII, 15, 178, 181, 198, 213, 217, 218, 227, 235, 241, 267, 271, 275, XIII, 147, XVIII, 172, XIX, 61, 177, 188, XXII, 74, XXVI, 210, 211, XXVII, 30, 31, 57, 71; mountain roads, III, 99, 126, 283, 284, VIII, 54, XIX, 279, XX, 141, 142, XXII, 90, 97-99, XXVII, 338; cost of roads, IX, 253, XII, 181, XIV, 60; taxes for, IX, 231, XII, 120, XXX, 303; European and American compared, IV, 228; results of improved, IX, 271, X, 65, XII, 202, 204, XIX, 82, 289. See also Commerce, Passes, Portages, and Transportation.

Roanoke (Va.), Randolph in, XII, 23.

"Roanoke," wrecked, XXVI, 57.

Roark, —, on Cove Creek, XVII, 56.

Robbstown (Pa.), origin of name, III, 330.

- Roberdeau, Isaac, sketch, XII, 108.
- Robert, —, in Lexington (Ky.), III, 206.
- Roberts, B. H., *Missouri Persecutions*, XXIV, 120.
- Roberts, Charles, on "Tonquin," VI, 195; deserts, VII, 58.
- Roberts, G. S., *Old Schenectady*, XXIV, 188.
- Roberts, Jonathan, described, XII, 45, 46.
- Roberts, Judge Samuel, sketch, III, 363.
- Roberts County (Tex.), Dry River in, XX, 213.
- Robertson, —, in Columbia (S. C.), XI, 90.
- Robertson, —, in North Carolina, III, 55.
- Robertson, Dr. —, historian, XI, 90, XIII, 210.
- Robertson, James, founds Nashville (Tenn.), III, 61, 62, 251; in Tennessee, 18; in Northwest Indian War, 85; sketch, 62.
- Robertson, James R., *Political History of Oregon*, XXX, 214.
- Robertson's Mill (Ill.), foxes in, X, 288.
- Robes. See Clothing.
- Robidoux, Joseph, sketch, XXII, 257.
- Robidoux, Joseph, Jr., fur-trader, XXII, 257; trading-post, XXIV, 111, 112, 121, XXIX, 372; town named for, 372; sketch, XXII, 257.
- Robidoux brothers, praise California, XXVII, 191.
- Robinias*, abundant, XXII, 133; as shade trees, 69; described, 132; *hispida*, XXIII, 39; *pseudacacia*, III, 29, 74.
- Robins, habitat, III, 63, XXVIII, 222; numerous, XV, 281, 307; hunted, XXI, 159; observed, XVI, 26, 81, XXII, 74, 196, 198, XXVI, 355, XXVIII, 63; wood, XVI, 172.
- "Robin's Nest," residence, XXX, 163.
- Robinson, —, in Indiana, IV, 269.
- Robinson, Edward, trader, V, 98, VII, 223, XXVIII, 253, 277; robs Astorians, VII, 266; sketch, V, 98, 99.
- Robinson, Lewis, fort purchased by, XXX, 74.
- Robinson, Robert, Baptist minister, X, 115; author, 162.
- Robinson, Samuel, bridge builder, IV, 26.
- Robinson, Sir T., letter from Braddock, III, 328, 330.
- Robinson's (Boon's) Mill (Ill.), Woods in, X, 257.
- Robledo (N. Mex.), location, XX, 152, 154; Gregg at, 151, 153.
- Robson, Joseph, *Six Years' Residence in Hudson's Bay*, II, 165, 168, 170.
- Rocheblave, Pierre de, partner in North West Company, VI, 375, 379-381.
- Rochefoucault-Liancourt, François Alexandre Frédéric, duc de la, *Travels through United States*, XXIV, 165, 166.
- Rochell, J., in South Carolina, XI, 84, 85.
- Rocheport (Mo.), location, XV, 177; creek in, XIV, 148; Palmer, XXX, 33; Townsend, XXI, 133; sketch, 133.

Rochester (Ill.), ferry, XI, 280.

Rochester (N. Y.), site, XXIV, 178; Bullock in, XIX, 152; Smith, XX, 251.

Rock County (Nebr.), Elkhorn River in, XIV, 240.

Rock cress (*arabis bulbosa*), in blossom, XXII, 196.

Rock Island (Ill.), Sauk Indians near, XXI, 123; fort, XXVII, 43.

Rock Spring (Ill.), Peck in, XXVI, 31; sketch, 252.

Rockbridge County (Va.), seat, III, 148.

Rockingham County (Va.), first court, III, 49.

Rockport (Ind.), location, XIV, 88, 90; pioneers in, X, 310; Maximilian, XXII, 160; Woods, X, 251; described, XXVI, 64, 65; sketch, X, 251.

Rockport (Mo.), described by Maximilian, XXII, 243.

Rockport (N. Y.). See Black Rock (N. Y.).

ROCKS —

Arrow (Pierre à flèche), formation, XIV, 171; Say at, 162, 163; sketch, 162.

Backbone, named by boatmen, XXVI, 89.

Battery, location, IV, 271, XXII, 202; described, XIII, 71, XIV, 91, XXII, 202, XXVI, 71, 74; tide, XXVII, 112.

Beacon, on Columbia River, VII, 120.

Cabinets, described by De Smet, XXVII, 366, 367.

Cape Horn (Columbia River), described by Palmer, XXX, 225.

Castle (Court House, Solitary Tower), location, VII, 135, XXX, 278; described by Palmer, 28, 55, 56; De Smet, XXVII, 219; Long on, XV, 305-307.

Chimney, on Oregon trail, XXX, 278; flowers on, XXVII, 254, 255; described, 216, 219, XXX, 28, 56; view, XXVII, 217.

Citadel, described by Maximilian, XXIII, 80, 172.

Coffin, Indian cemetery, location, VII, 118.

Cornice, described, XIV, 102, 104, XXVI, 104.

Dardanelle (Derdanai, Dardonnie), origin of term, XIII, 177; geological composition, 180, 181; described, 177-179.

Devil's, at Lehigh Gap, XXII, 126.

Devil's Anvil, named by Mississippi boatmen, XXVI, 89.

Devil's Entrance, described by De Smet, XXVII, 241.

Devil's Oven (Bake-oven), named, XXVI, 89; described, XXII, 209, XXVI, 89, 90.

Devil's Tea Table, XXVI, 89; described by Maximilian, XXII, 208; by Flagg, XXVI, 90.

Dome, renamed Tower Rock, XXII, 293.

Emanuel, trading-post near, V, 137.

Flat, location, XII, 295.

Fort, described by De Smet, XXVII, 219, 220.

Grand Chain, length, XXVI, 78.

Grand Coulée, XXVII, 379.

ROCKS (continued)—

- Grand Tower, location, XVI, 175; geological formation, XXVI, 233; current at, 90; Marquette on, XIV, 96, 97; Long, 96; described, 96-98, XXII, 208, 209, XXVI, 89; sketch, 89.
- Half-way Pyramid, Maximilian on, XXIII, 52, 183.
- Hen and Chickens, XII, 339.
- Hirundel. See Swallow, below.
- House, described by De Smet, XXVII, 219.
- Independence, cañon near, XXVII, 241; carvings on, XXVIII, 112; described, XXI, 53, 183, XXVII, 162, 216, XXX, 28, 67, 248.
- Inn Cave (Cave-in-Rock). See Caves.
- Jones's, location, IV, 140.
- Lady Washington, X, 250.
- Little, Maximilian on, XXII, 212.
- Little Arrow, Maximilian on, XXIV, 122.
- McGillivray's, location, VI, 360; origin of name, 353.
- McKee's, origin of name, IV, 93.
- Manitou, location, XIV, 147, 148; plants on, V, 320; Brackenridge at, VI, 46, 47; described, V, 51, XIV, 146, 147, XXII, 243.
- Millets (Le Rocher de Miette), location, VI, 360; described, 357, 358; North West brigade at, 356.
- Moniteau, settlement on, XXIV, 122.
- Needles, "Resolution" on, X, 180; Faux passes, XI, 38.
- "Old Sow and Pigs," XI, 52.
- Pawnee, battle at, XIX, 210, 211.
- Pillars of Hercules, De Smet on, XXVII, 243.
- Platteen, described, XIV, 104.
- Ponte-Dios (bridge of God), described by Malté-Brun, XVIII, 378.
- Rocher (Rockfort, Split, Starved Rock), location, VI, 47; tradition of, XXVI, 139, 140; described, 140, 141, XXVII, 39; Brackenridge at, VI, 46, 47.
- Solitary Tower. See Castle, above.
- Stone Walls, geological formation, XXIII, 193, XXIV, 90; observed, XVIII, 104; Maximilian on, XXIII, 170, 172.
- Swallow (Hirundel), described by Nuttall, XIII, 229.
- Table, as a boundary, XIII, 177; falls at, XIX, 145, 147, XXIV, 173; described, XIX, 144, 145.
- Tavern (Taverne de Montardis), location, XXII, 239; described, V, 41, 42, VI, 34; sketch, V, 41.
- Tea Table. See Devil's Tea Table, above.
- Tillamook, lighthouse on, XXX, 196; Chinese characters on, 197.
- Tower, XIV, 96, XVII, 107, 226, XXII, 208, 209, XXV, 9; volcanic origin, XXVII, 111, 112; described, XXII, 293, XXVI, 75, XXVII, 109-113; sketch, XXII, 293; view, XXV, 9.
- Tumbleton's, described by Farnham, XXVIII, 230.
- Two Chains, bridge on, XIV, 98.
- White Castles, described, XXIII, 54, 55, 183; view, XXV, 70.

- Rockville (Ind.), quality of soil, **XI**, 129.
- Rockville (Ohio), Maximilian in, **XXII**, 154.
- Rocky Mountain Fur Company, partners, **XIX**, 237, **XXI**, 67, 192, **XXIII**, 198, **XXVII**, 243; rendezvous, **XXI**, 11, **XXII**, 14; employ Stephens, **XXI**, 73; contract with Wyeth, **XX**, 11, 12; yearly caravans, **XXI**, 11; annual fairs, 84; explorations, 10; rivalry with American Fur Company, **XIX**, 221, **XXII**, 250; sketch, 233. See also Fur Trade.
- Rocky Mountain House. See Forts: Rocky Mountain House.
- Rocky Mountain Indians, languages, **XXIII**, 76; await Nobili, **XXIX**, 276.
- Rockytown (Va.), A. Michaux in, **III**, 52.
- Rodgers, —, expedition to West, **XXVII**, 236.
- Rodgers, Commodore John, in New York Harbor, **VI**, 197.
- Rodney, —, in West Indies, **VI**, 186.
- Rodney (Miss.), location, **XIII**, 299.
- Rogers, —, interpreter, **V**, 77, 78, 80, 81, 92, **XVII**, 20.
- Rogers, John, half-breed Cherokee, **XIII**, 182, 190, 214, **XVII**, 23.
- Rogers, Joseph, Kentucky pioneer, **IV**, 197, 214.
- Rogers, Maj. Robert, in French and Indian War, **I**, 12, 103, 122; in Detroit, 50, 51, 55, 101, 107, 108, 110, 116, 118; Presqu' Isle, 100, 103; Western expedition, 112; at Mackinac, 123; quoted, **II**, 13; *Concise Account of North America*, **I**, 101, 105, 106, **II**, 193; *Journal*, **I**, 103, 105, 109, 112, 113; sketch, 101.
- Rogers, Samuel, quoted, **XXVI**, 170.
- Rogers, Talihina, marries Houston, **XIII**, 182, 190.
- Rogersville (Tenn.), newspaper, **III**, 267.
- Rogue River Indians, habitat, **XXI**, 329; population, **XXIX**, 99; contest with Bailey, 19.
- Rohanka-Tauhanka, divine spirit of Mandan, **XXIII**, 302.
- Roi, Baptiste Louis, fur-trader, **VII**, 227; in War of 1812-15, **V**, 48, **XIV**, 140.
- Roi, François, on "Yellowstone," **XXII**, 281.
- Roland, —, boat-builder, **IV**, 111, 112.
- Rolfe, John, marries Pocahontas, **XI**, 157.
- Roller, blue-crested (*garrulus cristatus*), numerous, **XXII**, 189, 194.
- Rollingford (Ky.), A. Michaux in, **III**, 91, 92.
- Rollins, —, fur-trader, **XIII**, 193.
- Romaine, —, hunter, with De Smet, **XXVII**, 198, 236.
- Rome (Ind.), population (1820), **X**, 246; Flagg in, **XXVI**, 64; described, **XXII**, 159; sketch, **X**, 246, **XXII**, 160.
- Rome (N. Y.), fort on site, **II**, 50; road, **XXIV**, 184; Erie Canal, **VIII**, 88, **IX**, 315; rivalry with Whitesborough, **XXIV**, 185; described, 184; sketch, 184.
- Romeyn, John Brodhead, preacher, **XII**, 75.
- Romulus (N. Y.), Evans in, **VIII**, 129.
- Ronan, Peter, *Historical Sketch of Flathead Indians*, **XXVII**, 141.
- Rondaxe Indians. See Connecedaga.
- Rondin, —, engagé, **XXIII**, 63.

- Roney, —, in West Virginia, IV, 236.
- Room Run (Pa.), railroad, XXII, 90.
- Rooptahee. See Ruhptare.
- Roosevelt, Theodore, *Winning of the West*, III, 63, V, 106, VIII, 304, XIV, 64, XXIV, 154.
- Root-digger (Gens de Pitié, Radiquer) Indians, branch of Shoshoni, XXIV, 295, 296.
- Roothaan, Jean Philip von, S. J., De Smet's letter to, XXVII, 155-189; lake named for, XXIX, 271.
- Roots, collected by Indian women, VII, 106, 280; article of trade, XXI, 285; dried, VII, 297; scented, XXIII, 262; as food, V, 234, VI, 321, 322, VII, 123, 149, 189, 192, XIV, 260, XVIII, 210, XXVIII, 236, 248, 249, 261, 293, 312, XXIX, 220, 253, 259; as fodder, 14; medicine, VI, 321.
- Ropes, VII, 64; hemp, XVIII, 194; hair, made by Indians, XV, 72, XVI, 200, XXIII, 107; as equipment, XV, 192, XIX, 213, XXIII, 62, XXX, 259; article of trade, XXI, 148, XXIX, 60; stolen, XXX, 224; ornament, XIX, 340; makers of, V, 285.
- Rosati, Joseph, in St. Louis, XXVI, 165; sends De Smet, XXVII, 135.
- Roscoe, William, president of Botanical Society, V, 9.
- Roscoe (Ohio), Maximilian in, XXIV, 153.
- Rose, J. N., *Useful Plants in Mexico*, XX, 157.
- Rose, Don Jose, in Saltillo, XVIII, 361.
- Rosebud Landing (S. Dak.), site, XXII, 302.
- Roses, V, 100, 184, XV, 218, XXII, 332; height, XXIII, 194; in bloom, XXII, 372, 385; cultivated, 48; abundant, XI, 94, XXIII, 24, 26, 29, 31, 36, 57, 58, 63, 138, 192, 195, 199, 210, 213, XXIV, 157, XXIX, 87, 196; observed, V, 126, X, 302, XXIV, 86, XXVIII, 324; buds, as food, V, 232, XXI, 277, XXVIII, 301; guelder, XXIV, 171; prairie, X, 303; wild, XXII, 61, XXVI, 183, 272, 286, XXVIII, 284; *rosa mutabilis*, XIV, 124.
- Rosier, Jean Anthony Bern, French consul, III, 76.
- Rosin, as glue, XXIII, 260.
- Roskell, Robert, watch manufacturer, XVII, 256.
- Ross, Alexander, sketch, VII, 7-14; joins Astorians, 40-43; on the "Tonquin," VI, 194, VII, 43-56, 74-83; visits Hawaii, 57-73; at mouth of Columbia, VI, 239, VII, 83-96; denounces Thorn, VI, 193, VII, 45, 50, 52, 53, 56, 66, 67, 76, 78, 83, 87; narrates fate of "Tonquin," VI, 293, VII, 163-173; expedition to interior, VI, 254, VII, 96, 97, 115-152; at Fort Okanagan, VI, 260, 345, VII, 154-159, 188, 199-201, 207, 242, 253-264; expedition to Spokane, 201-206; return to Astoria, 253-257; joins North West Company, VI, 336, VII, 264; later adventures, VI, 338, 362, 376, XXI, 244, 278, XXIX, 37, 41; relations with Indians, VII, 122, 123, 134, 141, 156, 157, 310, XXVII, 370; nomenclature, VII, 129, 148, 150, 230, 276, XXI, 244; takes vocabulary, VII, 155; accidents and adventures, 79, 85, 205, 206, 240, 254; pet, 154; map, 214; sees comet, 151; inaccuracies, 140; locates post, VI, 282; *Oregon Settlers*, 14, 17, VII, 11, 12, 33-319; cited, V, 181, VI, 200, 240, 277, 327, 344, XXI, 9, 33, 225, 281, 285, 291, 309, 311, 339, 347, XXII, 232, XXVII, 307, 357, 370, 374, XXVIII, 38, 309, 318, 329, 340, 354, 365, 371, XXIX, 38, 56, 117, 182, XXX, 9, 161, 199; *Fur Hunters*, VI, 357, VII, 11, XXI, 244, 278, 300, XXVII, 265, 330, XXIX, 38, 248; *Red River Settlement*, VII, 12.
- Ross, Charles, Oregon pioneer, XXVII, 386.
- Ross, James, Pittsburg lawyer, IV, 66, 83, 107, 250, 251.
- Ross, Sir John, Arctic explorer, XXII, 296.

- Ross, Gen. Robert, British officer, VIII, 171, XII, 290.
 Ross, Gen. William, in Pennsylvania, XXII, 112.
 Ross County (Ohio), Flint in, IX, 298; stream in, XXIV, 148.
 Rossborough (Ky.), renamed Owenboro, XIII, 68, XXII, 160.
 Rosweyde, P. Heribert, Jesuit professor, XXVI, 170.
Rotbolia, observed by Baldwin, XIV, 154; Nuttall, XIII, 220.
 Rotrou, Count of Perche, founds La Trappe, XXVI, 191.
 Rotten Belly (Eripuass), Crow chief, described by Maximilian, XXII, 351.
 Rotterdam (N. Y.), Maximilian in, XXIV, 187.
 Rouchouse (Chochure), Etienne, missionary, XXVII, 391.
 Roulstone, George, Knoxville publisher, III, 267.
 Round Bottom (Ohio), Crawford in, IV, 116.
 Round Grove (Lone Elm, The Glen), caravan rendezvous, XIX, 193, XX, 93; Farnham at, XXVIII, 54, 55.
 Roussel, Augustus, on "Tonquin," VI, 195.
 Roussel, Benjamin, on "Tonquin," VI, 195.
 Routt County (Colo.), river in, XXVIII, 233.
 "Rover," American ship, XVIII, 291.
 Rowand, John, character of, XXIX, 248; in Fort Edmonton, 247; relations with De Smet, 250, 263; sketch, 247.
 Rowland, John, California pioneer, XX, 26.
 Rowland, Thomas, robbed by Mexicans, XX, 26.
 Roxbury (Mass.), population, XXII, 41.
 Roy, Marie le, *Narrative of Marie le Roy and Barbara Leininger*, I, 226.
 Royal, Capt. —, commands "Columbia," XXI, 368.
 Rubens, Peter Paul, paintings in St. Louis, XXVI, 168, 169.
Rubus, unarmed, XVI, 85; *odoratus*, XXIV, 171.
Rudbeckia, XIII, 208; new species, 216, XIV, 156; *amplexicaulis*, XIII, 220; *comentosa*, XXIX, 424; *columnaris*, V, 320, XXIII, 37; *fulgida*, XIV, 128; *hirta*, 107; *purpurea*, III, 218, V, 133, XIV, 107, 156, XV, 273, XXIX, 424.
 Ruffner brothers, salt manufacturers, X, 226.
 "Rufus King," New York steamer, XXIV, 192.
 Rugeley, Col. Henry, royalist, XI, 67, 76-78; in South Carolina, 81; slave owner, 125; Faux visits, 82-86; property, 96; heirs, 100.
 Rugeley, Maj. Rowland, in South Carolina, XI, 67, 70, 81, 86, 88; present to Faux, XII, 73; property, XI, 96, XII, 72; heirs, XI, 100; anecdotes, 82.
 Ruhptarc, Mandan village, XXII, 350, XXIII, 318, XXIV, 259; site, XXIII, 221, 234, 254; surroundings, XXIV, 22; road, 20; inhabitants, 35, 66; chief of, 22; Indians in, 47, 52, 77; Arikara, XXIII, 292; Mato Topé, XXIV, 58; band of the bulls, 46; band of white buffalo cow, 62; dog band, 74; hot dance, XXIII, 296; abandoned, XXIV, 21; described, XXII, 356, XXIV, 21, 22.
 Ruiz, Hipolito, botanical discovery, XIV, 154.

- Rum (taffia), how distilled, VIII, 327; distillery, IV, 341, 364; prices, I, 286, XII, 177; importance in Indian trade, II, 47, 85, 86, 132, 150, 171, XXI, 193, 211; Indian name for, II, 151, 171; hid from Indians, 91; stolen by Indians, I, 307; given to, 161, 166, 287; Indians use, 185, 236, VIII, 74; watered, II, 92, 171; infused with laudanum, 143, 149, 150; article of trade, X, 337, XXI, 104, 129, 194, 306, XXIX, 60, 100; as wages, XXI, 309; as beverage, III, 138, 139, XI, 66, XII, 133, XVIII, 294, XXVIII, 175; intemperate use of, IV, 365; Jamaica, XI, 45. See also Liquors.
- Rumex venosus*, observed by Bradbury, V, 318; James, XV, 233.
- Rump-pokes (birds), observed by Welby, XII, 155.
- Rumphius, Karl Ludwig Blume, naturalist, XIV, 119.
- Rupert's Land, Hudson's Bay Company in, VII, 35; Red River settlement, 22; missionaries in, XXVII, 392.
- Rupp, Israel Daniel, edits Washington's *Journal*, I, 73; *Western Pennsylvania*, 182, 183, 188.
- Rush, Dr. Benjamin, Philadelphia physician, IV, 87, 110, 350, IX, 182.
- Rush County (Ind.), river in, XXX, 30.
- Rush County (Kans.), Walnut Creek in, XVI, 229.
- Rushville (Ind.), emigration from, XXX, 29, 30.
- Rushville (N. Y.), Whitman in, XXI, 352.
- Rushes (*equisetum hyemale*), habitat, VI, 39, 49, 70, 81, XV, 250, XXII, 51, XXIV, 150, XXX, 249; abundant, V, 47, XXII, 100, XXX, 198; as fodder, V, 43, XIII, 91, 113, XV, 215, XVI, 26, 176, XXII, 239; observed, V, 42, XIII, 85, XVI, 36, XXII, 165, 252, XXX, 127; in Indian manufactures, VI, 60; bags of, VII, 297; butts, XXVII, 341, 342, XXVIII, 349; mats, VI, 325, XV, 205, XXI, 145, XXVIII, 357, XXIX, 154; described, VI, 39.
- Russell, Squire —, warrants issued by, XI, 299; in Indiana, 304.
- Russell, John, edits newspaper, XXVI, 123.
- Russell, Nathaniel, in Charleston (S. C.), XI, 94, 98, 105, XII, 71; described, XI, 67.
- Russell, Dr. Thomas, in Fort Smith, XIII, 198, 199, 202, 205, 227, 279; sketch, 198.
- Russell, Gen. William, farmer, III, 260, 261, IV, 180, 200; land grant to, XIII, 107; sketch, IV, 181.
- Russelville (Ky.), A. Michaux in, III, 58.
- Russian Fur Company, posts, VI, 258, VII, 36, XVIII, 283.
- Russians, on Arctic Ocean, VII, 270; Northwest Coast, VI, 258, 286; settlements, VII, 195; on Bodega Bay, XVIII, 283, 284; Kamchatka, VII, 233, 234, X, 182; Sitka, VI, 258, 277, 285, 406, XXIX, 96, 131, 151; relations with Astor, VI, 288, VII, 235; American Fur Company, XXII, 374; Hudson's Bay Company, XXIX, 53, 60, 90; sell fort, XXX, 229; Indian slaves, VI, 257, XVIII, 284; liquor traffic, XXIX, 100; territory of, XXVIII, 9, XXIX, 115.
- "Ruthy," American vessel, XI, 33, 34; Gray owns, 47; supplies, 37, 39-45; crew and passengers, 34; encounters storm, 35, 36; hardships, 47; Faux on, 33-46, 61.
- Rye, where grown, III, 134, 151, 153, 240, 281, 289, IV, 58, 224, X, 197, 198, 201, 202; soil adapted to, XVII, 111; cultivated, IX, 39, X, 209, 211, 296, 339, XI, 154, XXII, 61, 183, XXIX, 87, XXX, 189; time of harvest, V, 310, XIX, 75; sown with clover, XI, 149; abundant, XIX, 71; amount produced, V, 315; production per acre, XI, 137, 141, XVII, 106; prices, IX, 139, X, 74, XIX, 68; distilled, III, 240, XI, 290. See also Liquors.
- Ryley, Maj. —, commands Leavenworth Cantonment, XXIV, 113.

- SABBATARIANS, Sunday observance, X, 108.
- Sabbatia angularis*, habitat, XXIX, 424.
- Sable, habitat, XIII, 262.
- Sac County (Iowa), Boyer River in, XIV, 221.
- Sacacommis. See Bearberry.
- Sacajawea (Sahgahjawea, Tsakákawea, Sakákawea, Sakágawea), with Lewis and Clark, VI, 32, 33.
- Sachkomapoh (little boy), in Fort McKenzie, XXIII, 157; wealth, 121.
- Sachs, —, landlord, XXII, 101.
- Sachs, Widow —, tavern-keeper, XXII, 101, 102, 104.
- Sachse, Julius Friedrich, *German Sectarians of Pennsylvania*, cited, I, 63.
- Sacket Indians, settlement, XXIX, 130.
- Saddle-bags, stolen, XVII, 101; robbed, XXI, 255, 256.
- Saddlers. See Trades.
- Saddles. See Horses.
- Sadequahada, confiscation of, XXIV, 185.
- Saenz, Bernardino, Mexican captive, XX, 130.
- Saftaghretfy, Indian chief, I, 263.
- Sagamitty (hominy), sacrificed to dead, XIII, 116.
- Saganakee, Jean Baptiste, Nipissingue hunter, VI, 307-309.
- Sage (*salvia*), wild, XV, 249; abundant, X, 303, XXI, 237, 239, 264, 266, 281, 282, 346, XXVII, 252, XXVIII, 226, XXX, 63, 68, 72, 76, 79, 90-92, 94, 96-98, 104; as fuel, 69. See also Wormwood.
- Sage, R. B., *Rocky Mountain Life*, XXIII, 197.
- Sage hens, XXX, 260.
- Sager children, adopted by Whitman, XXX, 114.
- Saginaw Indians, sketch, I, 160.
- Sagittarias*, habitat, XIV, 220.
- Sago, as food, XXI, 51.
- Saguenay country, visited by Long, II, 196.
- Sahone (Sahoni) Indians, dress, XIV, 264, 265; plunder traders, V, 110.
- Sailors, American, XXIV, 193; British, XI, 64; Lascar, VIII, 37; character, IX, 45, XII, 86, XVIII, 327, 328, XXI, 300; good qualities, VIII, 23, XVIII, 28, XXIV, 193; bad qualities, X, 184, 185, XI, 35, 39, 42, XII, 156, 160; hardships, XI, 41, XXIX, 156, 167; amusements and customs, VII, 47, XXI, 325, XXX, 208; dress, XXIX, 283; songs, 71; wages, XI, 64; as witnesses, XII, 61; on "Alnomak," VIII, 22; "Tonquin," VII, 58, 66, 67; in New England, VIII, 11, XXI, 9; New Orleans, IV, 369; "snug harbor," XXI, 306. For sailmakers, see Trades; see also Navy, and Transportation.
- St. Anastasia, exports oranges, III, 305.
- St. Andrew (Mo.), sketch, V, 41.
- St. Ange, François, Canadian fur-trader, II, 158; murdered, 160.
- St. Ange, Capt. Louis, de Bellerive, commands Fort Charures, I, 138, 318, XXVI, 148; surrenders, XXVII, 77; at St. Louis, I, 173; Vincennes, 141; letter to, 147; sketch, 138, XXVII, 78.

- St. Anne, patron saint, XXVII, 77.
- St. Anne (Can.), Astorians at, VII, 176.
- St. Anthony, falls named for, XXVII, 38.
- St. Anthony (Mo.), site, XIV, 149.
- St. Antonio, refugees in, XIII, 222.
- St. Asaph's (Ky.), Logan in, III, 40; in Revolution, XVIII, 11.
- St. Bartolomeo (Mex.), mining town, XVIII, 359.
- St. Boniface (Red River), archbishop of, XXIX, 255; mission station, XXVII, 391, 392.
- St. Catherine (La.), explorers in, XVII, 66; mission, XVIII, 222; Indians from, 208, 220.
- St. Charles (Mo.), V, 39, VI, 27, XXVI, 269; site, 266, 271; Missouri River at, 264; fossils, XIV, 143; early settlement, V, 258, XXIV, 124, XXVI, 121, 143; originally Petites Côtes, 277; roads, XXI, 129, XXVI, 262; improvements, XVIII, 33; county seat, XXX, 31; missionaries at, XVIII, 25; astronomical observations, VI, 164; cholera, XXIV, 124; in War of 1812-15, XV, 171; "Yellowstone," XXII, 239; lumber market, XVIII, 34; size and population, V, 39, XIV, 126, 127, XVII, 39, 119, XXII, 239; Nathan Boone in, XX, 213; Brackenridge, VI, 31, 32, 35, 41; Bradbury, V, 38, 39, 47; Pierre Chouteau, XXII, 237; Duquette, XXVI, 269; Flagg, 12, 13, 268, 269, 276-284; Flint, XVIII, 26; Leseuer, XXVI, 120, 121; Long, XIV, 11, 126, 127, 130-132; Maximilian, XXII, 239; Nuttall and Townsend, XXI, 125; Pattie, XVIII, 31; Sublette, XIX, 221; Willard, XVIII, 18, 332.
- St. Charles County (Mo.), creek in, XIV, 129; Portage des Sioux, V, 222; early settlement, XXVI, 269, 280; division, 280; early travellers, V, 66, VI, 48.
- St. Clair, Gen. Arthur, president of Congress, III, 178; governor of Ohio, IV, 160, 256, XIX, 78; names Cincinnati, IV, 256; erects county, XIX, 58; town named for, XI, 172; in Northwest Indian War, I, 327, III, 87, 148, 178, VIII, 173, 265, XXVIII, 251; defeat, XIX, 36; relations with Farnham, XXVIII, 258, 277; Wyeth, XXI, 73; appointees, III, 354, XI, 209, XVII, 66; sketch, III, 178, 179, VIII, 228, 229.
- St. Clair County (Ill.), location, XIX, 57; formation, XXVI, 256; streams, XXIV, 126, XXVI, 251, 367; ancient lake, XXVII, 112; settlements, XXVI, 252, 354, XXVII, 112; seat, XIX, 60, XXVI, 254; Cahokia precinct, 182; travellers in, XIV, 132, XIX, 174, XXVI, 187, XXX, 161; sketch, XIX, 58.
- St. Clairsville (Ohio), Welby in, XII, 205; population, XI, 72; travellers in, IV, 232, 233, XI, 72.
- St. Cosme, Jean François de, sketch, III, 80.
- St. Denys, —, mission station established by, XVII, 65; attack on Natchez, XIII, 352.
- St. Ferdinand (Cal.), mission, population, XVIII, 278.
- St. Ferdinand (Mo.). See Florissant.
- St. Francis, tutelary saint of Santa Fé, XIX, 283; name-giver of San Francisco, XVIII, 283.
- St. Francis (Can.), Indians at, II, 29.
- St. Francisville (La.), sketch, XIII, 307.
- St. Francisville (Mo.), Great Swamp near, XVII, 121.
- St. François County (Mo.), mountains in, XXVI, 97; rivers, XVII, 36.
- St. Gamie County (Ill.). See St. Clair County.
- Ste. Geneviève (Mo.), XVII, 38; location, IV, 106, 265, 266, VIII, 297, XIV, 98, XIX, 59, 64, XXII, 212, XXVI, 146, XXVII, 60; limestone in, XVII, 219; minerals, XXVI, 97; lead mines and trade, IV, 179, V, 248, 249, 278, XVII, 104, XXVII, 93; salt trade, III, 216, 280; cliffs, XXVII, 99; as a

- boundary, XXVI, 102; Indians, XXVIII, 135; origin of nickname, XIV, 108; wagon road, IV, 282; settlement, V, 258, XIV, 104, XXVI, 147, XXVII, 51; Spanish fort, IV, 266, V, 270; land speculators, XIV, 103; population, XVII, 126, XXII, 211, XXVI, 95; old people, 95; travellers at, V, 35, 199, VI, 9, 10, XVII, 85, XXII, 250, 282, XXVI, 95-98, 101, XXX, 162; sketch, V, 35, VIII, 297.
- "St. Helena," summer residence, VIII, 239.
- St. Helens, Lord, mountain named for, VI, 246.
- St. Helens (Oregon), site, XXIX, 67; Deer Island near, VI, 263; Knighton in, XXX, 121.
- St. Hilaire, Augustus de, *Voyages dans les Districts de Diamande*, XXIII, 256.
- Saint-Hilaire, Etienne Geoffroy, sketch, XVI, 38; cited, XIV, 248.
- St. Ignatius, mission station, XXIX, 135.
- St. John (N. B.), captured by Bellestre, I, 108.
- St. John (N. Mex.), Pattie in, XVIII, 78.
- St. John the Baptist Parish (La.), negro revolt in, XIII, 313.
- St. Johns (N. F.), location, II, 207; governor, I, 153; in Revolution, II, 54, 57; Franchère in, VI, 190.
- St. Joseph (Mo.), site, XXII, 257, XXIX, 372, XXX, 255; distances to Oregon, 277-282; Indians of, I, 162-165; emigrant supply station, XXX, 261, 262; Croghan at, VI, 392; Palmer, XXX, 255; population (1846), XXIX, 373; sketch, 372, 373.
- St. Joseph Company, name for Meek's party, XXX, 124.
- St. Landry (La.), cattle-raising in, XIII, 311.
- St. Laurent, Lieut. — de, among Chickasaws, XIII, 362.
- St. Leger, Maj. Barry, raids Mohawk valley, II, 48, 50, 54; in Revolution, XXIV, 184, 185.
- St. Louis (Mo.): origin of name, X, 330; Indian name, XIV, 243; importance, XIX, 188; site, XXVI, 146, 155, XXVII, 107; location, IX, 186, X, 327, XII, 197, XIV, 104, XIX, 60, XXI, 69, XXII, 34, 212, XXVI, 119, 252, 364, XXVII, 105, XXX, 31; geological formation, V, 253, 254, XIII, 219, XXVI, 147; topography, XVII, 122, XXVI, 258, 259; island near, 271; prairie, XV, 166, 168; minerals, 181, XVII, 221, 226, 233, 334; iron mines, XXVI, 97; coal beds, V, 247; coal transported to, XXVI, 182, 256; vegetation near, V, 154, 317-320, XV, 200, XVI, 44, XXII, 186, XXIV, 136; lumber brought to, VI, 46, XXII, 241; fauna of, V, 58, XXIII, 320; buffaloes, VI, 36, XXIV, 129; Indian antiquities, XIV, 112-114, XXVI, 126-129, 152-160, 181, 189; earthquake at, 152; climate, IX, 187, XXVI, 170; healthfulness, XI, 207, XXII, 197, XXIV, 14, 36, 46, 125; value of land, XIV, 159; speculators in, 144; observations at, V, 261, XIV, 109-111, XVII, 262; view from Illinois, XXVI, 180, 181.
- History:* founded, I, 173, IV, 298, XVI, 275, XXVII, 51; early history, V, 258, 259, XIV, 108, 109, XXVI, 145-148; French settlers, III, 71, 72, V, 77, XV, 167, XIX, 285; Spanish control, I, 117, II, 12, XXVI, 117; early governors, I, 138, III, 31, V, 250, XXVI, 148, XXVII, 77, 78; in Revolution, II, 185; early families, III, 31, V, 42, 170, VI, 88, 403, XVI, 171, XVIII, 38, XX, 108, XXII, 235, 239, 272, 274, 282, XXVI, 165, XXIX, 369, 372; fortifications for, XXVI, 114, 152.
- Roads to, V, 38, VII, 239, X, 326, XI, 287, XII, 203, XIII, 145, 147, XV, 202, XXIV, 124, 125, XXVI, 120, 247, 260, 297, 360, 361, XXX, 33; railways, XVII, 28, XXVI, 171, 182, 278; as a boundary, XVII, 219, XXI, 54, XXII, 204, 208, XXVI, 82, 98, XXVII, 40; frontier, XII, 19; mail from, XXIV, 72; news, 121; summer retreat for, XXVI, 200.
- Size, XVII, 39; population, XIV, 108, XVII, 126, XXII, 215, 216; improvement, XVIII, 33; capital of Louisiana, IV, 282, XXVI, 148, XXVII, 56; of Missouri, V, 261; described, 261, 262, VI, 403, VIII, 297, XIX, 63, XXI, 43, 44, XXII, 215-217, XXVI, 13, 106, 107, 113, 143, 150-160, 181, 189; plan,

ST. LOUIS: *History* (continued)—

150, 151; building material, 147; streets, XV, 167; houses, XXVI, 259; churches, 166, 168, 194; hotel, XXIV, 125, XXVI, 164; bank, XIV, 269; library, XX, 243; museum, XI, 263, XXVIII, 291, 292; Academy of Science, XIII, 305; Memorial hall, XXVI, 272; courts and court-house, XX, 229, XXIV, 106, XXVI, 262; distillery, XIV, 138; military post near, XXI, 122, XXIV, 114; land commission, XIV, 138; Jesuits, XXVI, 169, XXVII, 230; mission colony, XXVI, 279; convent, 165; contributions, XXVII, 191; dramatic productions, XXVI, 11; blacksmiths, XXVII, 299; capitalists, XIX, 216; lawyers, XXVI, 271; merchants, XVIII, 178; mining company, XIX, 308; fur trade companies, III, 80, V, 262, XXII, 234, 328, 378, XXVII, 136; fur-traders, V, 85, 253, 257, VI, 88, XIII, 237, 282, XIV, 220, 242, 275, 311, 313, XV, 143, 155, 193, 282, XVIII, 10, XXI, 45, 81, 82, 84, 102, 103, XXIII, 230, XXVIII, 229, XXX, 61; rendezvous for caravans, XIX, 187, 188, XXI, 83, 84, XXVIII, 274, XXIX, 233, 248; value of horses, XV, 163; as a trade centre, XIV, 109, XXII, 382, 383, XXIV, 126, XXVII, 59, 118, XXVIII, 111, 162; lumber-market, XVII, 126, XVIII, 33, XXVII, 228, XXIX, 62; harbor at, XIV, 109, XXVI, 161, 162; trade with New Orleans, XIX, 48; steamboats, XIV, 11, XVII, 97, XXI, 46, 101, XXII, 231, XXIII, 12, 15, 24, 237, 240, 328, XXIV, 131, XXVI, 161.

Germans in, XXX, 31; immigrants, X, 254, 327; colonists from, IV, 166, XXVI, 121; Indians near, XXV, 10, XXVIII, 146; Indian agency, XI, 263, XXII, 217; Indians visit, V, 253, XIII, 72, 134, 275, XV, 66, 147, XXII, 217, 249, 254, 256; deputation, XXVI, 154; councils, XIII, 192, XVII, 21, XXII, 236; treaties, XIII, 277, 282, XVIII, 31, XXII, 226; Flathead embassy, XXVI, 14, 15, XXVII, 229, 233, XXIX, 130; bishop of, XXVI, 165, XXVII, 135, 142, 155; missionaries at, XXVI, 14-17, XXVII, 40, 144, 155, 176, 189, 191-194, 229, 236, 391, 401, XXVIII, 16-18, 275, XXIX, 134, 142, 365, 373; Astorians at, V, 36-38, 106, 226, VI, 189, 268, 272, 405, VII, 178-181, 186, 193, 195, 198, 222, 223; Lewis and Clark's expedition, V, 44, VIII, 296, XI, 263, XIII, 138; Long's expedition, XIV, 108, 112, 117, 135, XV, 165, 166, XVII, 84, 85, 88, 93; Pattie's, XVIII, 24, 37, 85; Wyeth's, XXI, 11, 12, 41-44, 54, 80, 82, 90-93, 101, 125; Brackenridge in, V, 117, VI, 10, 42, 64, 151; Bradbury, V, 25-30, 35-38, 89, 134, 195, 197, 199, 251; Flaggs, XXVI, 9-12, 106, 115, 142, 160, 179, 180, 257, XXVII, 120, 121; Franchère, VI, 14; Maximilian, XXII, 13, 17, 233, 234, 281, 316, 374, XXIII, 25, XXIV, 81, 89, 130; Michaux, III, 86, 103; Nuttall, XIII, 235, XXI, 14, 121; Palmer, XXX, 256, Townsend, XXI, 14, 121, 125; other travellers, XVI, 291, XVII, 79, XIX, 161, XXI, 235, XXII, 231; traveller from, XVIII, 350; traders from, Aird, V, 87; Bent, XXVIII, 71, 171; Dougherty, XIV, 126, XXIV, 107; Johnson, XXIX, 63; Lamont, XXII, 314; Langham, XX, 89, 90; Reuben Lewis, V, 153; Lisa, 97, 179, 199, VI, 30, 152; Loisel, V, 184; McDonald, II, 47; Mackey, III, 79, 80; Mitchell, XXII, 314; Patton, XXIII, 136; Richardson, XXI, 153; Sublettes, 47, 57, 68, XXIV, 117; Tilton, XXIII, 226, 227; Waldo, XIX, 164; trappers, Charbonneau, VI, 33; Colter, V, 44; Dauphin, XXIV, 92; Dorion, V, 38; Harrington, 75; Jessaume, 156; residents, Applegates, XXX, 173; Ashley, XXII, 250; Beck, XVII, 232; Bent, XXVIII, 71; Berry, V, 256; Brazeau, XXIII, 189; Bridge, V, 39, 195; Campbell, XXIII, 198; Cerré, XXI, 184; Charless, V, 198; Clark, 254, XI, 263, XIII, 134, XXI, 138, XXII, 276, XXVI, 283; Coburn, IV, 169; Douglas, V, 56, XXII, 268; Drinker, V, 198; Grant, 43; Harvey, XXII, 339; Howard, XXVI, 134; Lewis, V, 9; McKenzie, XXI, 45; McNair, XVIII, 32; Mason, XX, 107; Minor, IV, 332; Mitchell, XXII, 314; Benjamin O'Fallon, XIV, 314, XXII, 236, XXIII, 242; John O'Fallon, XIV, 126, XXVI, 155; Palmer, XXII, 374; Peck, XXVI, 31; Picotte, XXIV, 16; Pilcher, XIV, 269; Robidoux, XXII, 257; Sibley, V, 66; Shera, IV, 84; Thomas, XXVI, 161; Wetmore, 31; Wislizenus, XXVIII, 274; *Commercial Bulletin*, XXVI, 9; *Enquirer*, XIV, 178, XXVI, 95; *Gazette*, 10; *Times*, 10.

St. Louis County (Mo.), river in, XXVI, 178; as a boundary, XIV, 106; coal mines in, XXVI, 263; antiquities, 105, XXVII, 103; villages, V, 41, XV, 168, XXII, 215.

St. Marks (Fla.), in Seminole War, VIII, 172, 351, 353.

- St. Mary's, Flathead mission, XXIX, 120, 313, 412; site, 340; agriculture, 121; hurricane, XXVII, 311; Bond in, X, 70; De Smet, XXIX, 340; Point, 313, 407, 408; Ravalli, 321; Sarpy, 372.
See also Missions; St. Marys.
- St. Michael, patron saint, XVIII, 280, XXIX, 412, 418.
- St. Michael (Mo.), lead mines, XV, 175, XVI, 66, XVII, 224; population, 126; (1822), XV, 175; (1827), XVIII, 227; sketch, XV, 175.
- St. Michel, Louis, with Astorians, VII, 215.
- St. Pablo (Mex.), agriculture in, XVIII, 359.
- St. Paul, —, Canadian trapper, V, 41.
- St. Paul (Alaska), ship visits, VII, 234.
- St. Paul (Minn.), site, XXIX, 234; fort at, XXIII, 353; Franchère in, VI, 15.
- St. Paul (Oregon), site, XXIX, 171.
- St. Paul des Sauteurs, Chippewa mission, XXIX, 240.
- St. Paul's church (S. C.), Hayne in, XI, 97; (N. Y.), burial ground, IX, 27, 28.
- "St. Peter," American Fur Company steamer, XXII, 34.
- St. Peters (Minn.), thermometrical observations at, XV, 216.
- St. Philip (N. Mex.), described by Pattie, XVIII, 85.
- St. Philippe (Ill.), site, XXVII, 92, 99; French found, XXVI, 143, XXVII, 43; French abandon, III, 70, XXVII, 93; Americans in, III, 70; A. Michaux, 78, 103; population, 70, XXVII, 93; sketch, III, 70, XXVII, 93.
- St. Regis (Can.), Indian mission, II, 47, 58, 61, IX, 324, XXIV, 186, XXVI, 14.
- St. Sebastian, Indian mission, described by Pattie, XVIII, 222.
- St. Sulpice, missionaries of, XIV, 101.
- St. Thomas de Abiquiu, mission, XVIII, 75; population, 226.
- St. Vincent, —, aids Morris, I, 304, 308, 315, 317, 318; on Maumee, 305; in Detroit, 307; slaves, 309; letter to Pontiac, 324.
- St. Vincent of Gaul, mediaeval saint, XXVI, 168.
- St. Vincent (Minn.), site, XXIII, 353.
- St. Vincent (W. I.), Jackson in, IV, 317.
- St. Vrain, Ceran, fur-trader, XXVIII, 71.
- St. Vrain, Felix, slain by Indians, XXII, 225.
- Saintfoin, seeds of, V, 309.
- Salal-berry (*gaultheria shallon*), described by Franchère, VI, 321.
- Salamanders, habitat, III, 289, XXVII, 262, XXIX, 184; Allegheny (*menopoma alleghaniensis*), XXII, 143; yellow-striped, XXIV, 118.
- Salaries. See Economic Conditions.
- Salem (Ill.), railroad, XXVI, 120; post-station, 247; Flagg in, 348, 363; sketch, 361.
- Salem (Ind.), county seat, XIX, 69.
- Salem (Mass.), Gray in, XI, 47; Miller, 167, XIII, 291; "Thomas H. Perkins," XXIX, 100; meteorological observations, IX, 242.
- Salem (Ohio), Moravians found, I, 130, XXIV, 154.
- Salem (Chemekata, Oregon), origin, XXX, 183; site, XXIX, 165; missions, XXVII, 388, XXIX,

SALEM (continued)—

20; mills, XXX, 141; historical relics, XXVIII, 333; Brown, XXX, 101; Caplinger, 148; Gervais, VII, 231; Gilbert, XXX, 240; Leslie, XXIX, 21; Lee, XXX, 181; Munger, XXVIII, 275; Shaw, XXX, 174; F. Smith, 251; S. Smith, 151; Wilson, XXIX, 25; population (1900), XXX, 183; view from, 173; sketch, 183.

Salem Crossroads (N. Y.), Maximilian in, XXIV, 160; sketch, 161.

Salep, as food, XXI, 51.

Salezar, Dimasio, in Anton Chico, XX, 232.

Salicornia, observed by Nuttall, XIII, 243.

Salina (N. Y.), salt springs in, XIX, 152, XXIV, 180.

Saline (N. Y.). See Syracuse.

Saline County (Ark.), creek in, XIII, 146.

Saline County (Mo.), seat, XXX, 33; Arrow Rock in, XIV, 162; settlement, XXII, 244; Marma-
duke in, XIX, 181; Smith, XIV, 151.

Salines. See Salt.

Salisbury (Conn.), travellers in, VIII, 178, XVIII, 25, XIX, 101.

Salisbury (Ohio), renamed Port Washington, XXIV, 154.

Salishan Indians, habitat, VI, 256, 340, VII, 211, 276; tribes, V, 233, VI, 258, VII, 149, 159, XXVII, 141, 282, 300, 319, 357, 370, 387, XXIX, 149, 153, 182; language—grammar, XXVII, 193; dictionary, 193; religious beliefs, 168; Farnham among, VII, 210.

Salitre. See Saltpetre.

Salix, III, 84; *angustata*, XIV, 128; *capreoides*, III, 99; *pumila*, 92.

Salmagundi, as food, XXIX, 211.

Salmon, habitat, XXI, 232, XXIX, 51; in Lake Peoria, XXVI, 135; New York, VIII, 181; Willamette, VII, 229; abundance, V, 231, VII, 129, 296, IX, 322, XXI, 74, 243, 345, 358, 365, XXVII, 260, XXIX, 16, 27, 93, 148, 160, 206, XXX, 98, 106; spawning beds, XXIX, 206, 207; eggs, XXI, 258; fishing for, VI, 322, 323, 338, XXI, 251, 318, 325, XXVIII, 355, XXIX, 14, 186, 282, 283, 285, XXX, 93; Indian method, VII, 135, XXI, 265, 346; camps for, VII, 129; spearing, XXI, 259, 345; Indian superstitions on, VI, 334, 335, VII, 111; used as food, VI, 249, 257, VII, 108, 138, 149, XXI, 235, 252, 269, 301, 357, 363, XXVIII, 365, XXIX, 66, 125, 190, 191; how prepared, XXVIII, 321, 355, XXIX, 65; boiled, XXVIII, 374; dried, VI, 284, XXI, 366, XXVIII, 317, XXIX, 125; pickled, XXX, 219; smoked, VI, 278; article of trade, VII, 135, XXI, 9, 245, 248, 255, 266, 281, 283, 306, XXVIII, 306, 341, 358, XXIX, 288, XXX, 94; prices, XXI, 261, XXVIII, 316, XXX, 219; as a present, VII, 150, XXVII, 379; supply, XXI, 335, XXVIII, 316, 323, XXIX, 96; barrels for, XXX, 204; oil as ointment, XXVIII, 355; described, XXI, 367; Columbian, VII, 108, 140; varieties, XXIX, 191; dog (*oncorhynchus keta*), VI, 322, 323, XXIX, 191; trout (*salmo gairdneri*), XXI, 330, XXVII, 365, XXIX, 51, 93, 191, 217. See also Quinnat.

Salmon, Edme Gatien, Louisiana official, XXVII, 45.

Salsola, habitat, XIV, 213, XVI, 121; abundant, XVII, 194; *depressa*, V, 318.

SALT: composition, XIV, 82; water impregnated with, XIII, 167, XVI, 33, XVII, 144, 150, 204, XX, 159, XXVIII, 119, XXIX, 46; soil encrusted with, XXI, 157, XXIX, 88, XXX, 47; produces scarcity of timber, XIII, 246; springs encrusted with, XXVIII, 323; where found, XXVI, 346, XXVIII, 208; influence on settlement, XIV, 58; on Arkansas River, V, 190-194, 241-243, VI, 151, XIII, 280, XX, 243-248, XXVIII, 117; Colorado, XVIII, 205; Grand, XIII, 236; Hockhocking,

- VIII, 264; Illinois, 291, XIII, 232; Kanawha, IX, 112; Kiamichi, XIII, 224; Loutre, XV, 174; Meramec, XXVI, 104-106; Missouri, IV, 54, VI, 157; Muddy, XXVI, 88; Muskingum, VIII, 264; Platte, XV, 258; Red, XVI, 56; in Illinois, X, 274, XIX, 56 (see also salt-works, below); Indiana, IX, 279, X, 62, XI, 213, 225, XIX, 65; Kentucky, III, 37, 41, IV, 176, 178, VIII, 277, X, 68, XII, 15, XIX, 94; Louisiana, V, 66, XVII, 212; Mexico, XVIII, 350; Missouri, III, 80, XIV, 82, 99, XXII, 244; New Mexico, XVIII, 375, XIX, 303, 310; New York, VIII, 126, 181, XIV, 58, XVII, 251, XXIV, 180; Ohio, IV, 103, 162, 164, V, 275-277, VIII, 264, 265, IX, 116; Oklahoma, V, 193; Tennessee, III, 61, 63, 280; West Virginia, IV, 156; springs (licks), origin of term, IX, 116; frequented by buffalo, XII, 218, XVI, 21, XXVIII, 199; discovered by Boone, XXVI, 281; De Soto, XIII, 329; Jesuits, XIV, 58; Mackenzie, XVII, 239; described, VIII, 163, XI, 245, XIII, 243, XIV, 58, 59, XV, 302, XIX, 56, 65; gaseous products, XIV, 59; abundant, VIII, 283, IX, 153, XIV, 150, XVII, 213; found in limestone, XXVI, 70; in sandstone, XVII, 245; rock salt, 212-214, XVIII, 118; formations, XVII, 203, 211; springs among Indians, XVI, 79, XXVIII, 126, 128; traditions concerning, XXIII, 293; used by, V, 180, XVI, 79, 120.
- Manufacture:* boring for, V, 277, IX, 279, XIII, 60; Indian method, V, 193, XXVIII, 126; Hawaiian, VII, 64; in United States, V, 169, 276, VI, 201, IX, 279-281, X, 81, 226, 254, XVIII, 308; methods, III, 65, 149, 196, 197, IV, 164, 175; yield, VIII, 283, X, 226, XIII, 243, XIV, 82, 150; salt-works, in Arkansas, VI, 61; in Illinois, VIII, 283, XIV, 81-83, XIX, 43, 60, XXVI, 69; Indiana, IV, 271; Kentucky, III, 37, 41, 65, 90, IV, 164, 174, 175; Missouri, VI, 47, 48, XIII, 241, XIV, 162; New York, XIX, 152; built by Lewis and Clark, XXX, 193; abandoned, IX, 128, XIII, 242.
- Uses:* for domestic animals, III, 246, 247, V, 268, X, 282, 285, XIII, 113, XIV, 140, XXII, 266; as a supply, V, 299, VI, 287, XII, 157, XIII, 236, 290, XV, 292, XVIII, 118, XIX, 190, 206, XXVIII, 11, 45, XXIX, 169, XXX, 260; for seasoning, XI, 77, XIV, 190, XVI, 190, XXI, 280, XXIII, 277, XXVIII, 79, 184; as remedy, VIII, 197; scarcity, VI, 314, VII, 92, XII, 249, XVI, 42, 268, XVIII, 56, 90, 198, 331, 334, XXVIII, 72, 184, 236, 245; abundance, XIV, 81, XXIX, 51, 229; article of trade, VI, 48, IX, 149, X, 256, XIII, 68, 182, XVIII, 349, 377, XX, 247, XXIII, 277, XXIV, 180; prices, III, 280, X, 74, 130, 279, XII, 237, 238, XIII, 77, XIX, 311; profit, 65, 66; value, XVII, 214; transportation, VIII, 46, IX, 311, XIX, 41; kinds, XV, 219; effloresced, 258; Epsom, XII, 158, XX, 245, XXVI, 365; glauher, VI, 157, X, 274, XXIII, 194, XXVIII, 153.
- Salt, Henry, travels, XVI, 222; *Abyssinia*, XIV, 69.
- Salt Lick (Ohio), Cuming in, IV, 164, 165.
- Saltillio (Mex.), palm trees in, XVIII, 362; blankets made in, XIX, 338; population, XVIII, 348; Willard in, 347, 348, 360, 361, 364.
- Saltpetre, where found, VI, 41, XIX, 65; abundant, V, 278, XX, 139, XXIX, 229, 246; caves, IX, 44, XIII, 216; springs, VIII, 283; how made, V, 247; prices, IX, 135.
- Saltzburg (Pa.), Weiser in, I, 23.
- Sambucus, canadensis fructu nigro*, and *fructu foliis tomentosis*, III, 29.
- Samilkauigh. See Similkameen.
- Samoyades, resemble Indians, XIII, 262.
- Sampeetch (Sanpitch) Indians, habitat, XXVII, 166; population, 167; described by trappers, XXVIII, 248, 249.
- Sampson, William, Irish refugee, XI, 160; sketch, XII, 78.
- Samson, Capt. William, in Cumberland (Tenn.), III, 258.
- San Antonio (Tex.), originally Bexar, XX, 255; Indians in, XVII, 68, XX, 349; Pattie, XVIII, 280; Pike, XIX, 175; sketch, XVIII, 280.

- San Bernardo (Mex.), Willard in, XVIII, 347.
- San Blas (Mex.), English vessels in, XXVIII, 33; "Pedlar," VI, 407; "Volunteer," XVIII, 308; Farnham, XXVIII, 14; Pattie, XVIII, 307, 308, 315; Solis, 303; Willard, 347.
- San Buenaventura (Mex.), described by Pattie, XVIII, 155, 279; population (1828), 279; sketch, 155, 279.
- San Carlos (Cal.), mission of, VI, 342, XVIII, 28, 281, 304, 305; sketch, 281.
- San Diego (Cal.), location, XVIII, 227; seaport, 225; trading-post, XXX, 197; founded, XVIII, 279; described, 273, 274; Indian revolt in, 277; Echeandia in, 290; Pattie's party, 15, 17, 225, 228, 257, 282, 284, 290, 298, 307, 322; Smith in, XIX, 238; explorations from, XVIII, 281.
- San Diego (N. Mex.), Gregg's caravan in, XX, 151.
- San Elizario (Tex.), Rio del Norte in, XIX, 279.
- San Felipe (N. Mex.), in Mexican revolt, XX, 43; ruins of pueblo, 64; language, 56; population (1903), 43.
- San Fernandez de Taos, described, XVIII, 73; Pratte in, 73-75.
- San Francisco (Cal.), formerly Yerba Buena, XXVII, 235; mission in, VI, 342, XVIII, 283, 287; Accolti, XXIX, 137; Burnett, 280; Cooper, XVIII, 291; Farnham, XXVIII, 14; Greenhow, 30; McDougall, XXX, 89; Pattie, XVIII, 16, 282, 283; Smith, XXX, 250; Solis, XVIII, 295, 296; White, XXIX, 20; population (1794), XVIII, 283; *Overland Monthly*, XXVIII, 260.
- San Gabriel (Cal.), Indian mission, XVIII, 277, 278.
- San Ildefonso, treaty of, XIV, 138.
- San José (Cal.), Indian mission, XVIII, 282, XX, 23.
- "San Jose," merchant ship, XXX, 197.
- San Juan Bautista (St. John the Baptist), Indian mission, XVIII, 280, 282, XIX, 263; language, XX, 55; sketch, XVIII, 78.
- San Juan Capistrano, Indian mission, sketch, XVIII, 277; road, 278.
- San Lorenzo (Mex.), population, XVIII, 359; Willard in, 347.
- San Luis Obispo (St. Luis Obispos), Indian mission, XVIII, 275, 280.
- San Luis Rey de Francia (Cal.), Pattie in, XVIII, 275-277.
- San Marcelo (Cal.), Kino in, XVII, 191.
- San Miguel, Marquis de, owns hacienda, XX, 164.
- San Miguel (N. Mex.), Santa Fé trail termination, XIX, 218, 251, 253; caravan camping site, XX, 93; Indian mission, XVIII, 227, 280; Indians, XX, 204; attitude toward Americans, 26; Becknell in, XIX, 178, 180; Gregg, 252, XX, 142, 143, 204; population (1828), XVIII, 280; (1900), XIX, 253; sketch, XVIII, 280.
- San Miguel County (N. Mex.), mountains in, XX, 141.
- San Pascual (N. Mex.), Gregg in, XX, 151; Willard, XVIII, 347.
- San Rafael Archangel, Indian mission, XVIII, 282.
- San Saba mission, destroyed by Comanche, XX, 348.
- Sancier. See Saucier.
- Sand, noted, IV, 191, XVII, 135, 143, 211, 212, XX, 170, XXVIII, 79, 93, 108, 184, 185, 187, 245, XXIX, 36, 44, XXX, 55; abundant, X, 74, 191, XX, 157, XXI, 346, XXVII, 108, XXX, 92; as building material, XIX, 140; for brickmaking, 334; glass manufacture, IV, 191; flinty, XVII, 192; indurated, XXIV, 90; siliceous, XV, 216, 241; drifted, XVII, 194, XVIII, 211, 213, 330;

black, XIX, 306; green, XXI, 182; red, XVII, 27, 79, 142, XX, 246, 247, XXVIII, 288; saffron, XXVI, 109; white, XVI, 229, XXII, 101, XXVI, 97; banks, XVI, 158; bars, VI, 81; hills, XIII, 272, XV, 232, XVIII, 71, 335; plains, VI, 156, XVI, 126, XX, 117; storms, XVI, 129.

Sandalwood, in Hawaii, VII, 71; trade in, VI, 288.

Sandbar (Indian). See Grand Batture.

Sandeam, Kalapuya chief, XXX, 184.

Sandersville (Ind.), mosquitoes in, XI, 247; schools, 229; English in, X, 251; Faux, XI, 247.

Sandia Pueblo, language, XX, 56.

Sandoval, Isidore, interpreter, XXIII, 132, 136, XXIV, 295; expedition to Kutenai, XXIII, 154; sketch, 132.

Sandoval County (N. Mex.), pueblo ruins in, XIX, 272, 302, XX, 43; mountains in, XIX, 303; Algodones, XX, 25.

Sandpipers (*tringa*), habitat, XIV, 44, XVII, 147, XXIV, 150; numerous, XVI, 146, XXII, 151, XXIII, 185; Bartram's (*bartramia*), XV, 201, 323; semipalmated (*semipalmata*), XIV, 79, 80, XV, 323; solitary (*solitaria*), 323, 327.

Sands, —, in New York, XII, 87.

Sandstone, described, XV, 174, 298, 301, 303, XVI, 30, 31, 35, 67, 68, 70, 86, 87, 120, 126, 162, 164, 165, XVII, 43, 215, 216, 220, 228, 231, 232; origin, XVI, 172, XVII, 241; abundant, IX, 108, 183, XIII, 46, XVII, 240, XX, 242; transition, XVII, 235, 251; secondary, 133, 135, 144, 235; fossils, XVI, 41, XVII, 195, 200, 208, XXII, 383; friable, XV, 252, XVI, 97, XVII, 199-206, 212, XXVIII, 359; salt, XVII, 196-198, 213, 251; springs, XVI, 71, 143, 149; vegetation on, XVII, 42, 43; stratification, XVI, 141, 143, 188, 189, XVII, 229, 244, 245, 250, XXVIII, 104; inclination, XVII, 192, 193, 196-198, 211; perpendicular, XVI, 72, 87, XVII, 209; strata, XIV, 222, XVI, 35, 78, 85, 90, 172, XVII, 194, 195, 200, 201, 254; compact, XV, 300, 301, 307, XVII, 43; argillaceous, XIII, 44, XIV, 49, 50, 55, 58, 60, 73, 74, 143, 161, 211, 222, 223, XVI, 33, 137, 164, XVII, 202-206, 211, 212, 215, 217, 218, 223-225, 235, 254, 255; brown, XVI, 138; charbonnière, XIII, 233; conglomerate, 37; crystalline, XV, 182, XVI, 66, XVII, 241; ferruginous, XIII, 155, 229, 263, 300, XIV, 128; flinty, 91; gray, XIII, 85, XIV, 62, XV, 176, XVI, 73, 74, 77, 79, 90, 135, 163, 176, 188, 244, XVII, 52, 246, XXVIII, 280, XXX, 134; greenstone on, XVII, 208; marine, 242; micaceous, XIII, 46, 47, 56, 201, 202, XVII, 194, 198, 218, 226; red, IX, 49, XV, 281, 301, XVI, 13, 67, 70, 73, 74, 90, 93, 94, 99, 120, 126, 135, 137, 138, 142, 156, 157, 163, XVII, 58, 65, 201, 202, 210, 211, 212, 213, 215, 238, 245, 247, 248, 250-255, XXVIII, 278, 279; siliceous, XIII, 38, 40, 41, 150; slaty, 44, 233, 241, XVI, 65, 180; connected with spar, XVII, 233; white, XIII, 45, XV, 289, 302; yellow, XVII, 196, XXIX, 366; variegated, XIV, 82; rare variety, XVI, 173, XVII, 224; as building material, XVI, 68, XIX, 301, XX, 69; on Alleghany Mountains, XVII, 43; Arkansas River, XIII, 172; Bad Lands, XXIV, 90; Canadian River, XVII, 142; Cannon-Ball Creek, XV, 280, 281; Charbonnière, XIV, 125; Chaquaqua Creek, XVI, 69; Franklin (Mo.), XIV, 150; Gulf of St. Lawrence, XVII, 240; Illinois, V, 294; Kentucky, XIV, 82; Kiamichi River, XVII, 77; Laurel Mountains, XIV, 53; Middle West, XIII, 60; Mississippi River, XIV, 97, 98; Missouri River, V, 57, VI, 100, XIV, 143, 170, 218, 219, 224; Ohio, XIII, 54; Ohio River, XIV, 60, 66, 81, 83, 89; Ozark Mountains, XVII, 15, 16, 188, 225, 227; Pawnee Rock, XIX, 211; Pennsylvania, XIII, 38; Poteau River, XVII, 223; Red River, XIII, 217, XVII, 63; Rocky Mountains, XV, 285-299, 306, XVI, 11-13; Washita River, XVII, 52; observed by Flagg, XXVI, 88, 139; Flint, IX, 76, 95, 101, 111, 121, 305, 310; Gregg, XIX, 248; James, XV, 178, 182, 272, 285, XVII, 57, 58; Long, XVI, 66, 91; Maximilian, XXII, 121, 147, 171, 338, 370, XXIII, 51, 54, 55, 57, 63, 67, 71, 77-83, 94, 170, 193, 212, 241, 242; Nuttall, XIII, 36, 42, 82, 146, 155;

SANDSTONE (continued)—

- 156, 173, 178, 194, 196, 207, 209, 213, 224, 227, 229, 237, 243, 271, 273, 280, 287, 298, 299, XVI, 175; Palmer, XXX, 131; Townsend, XXI, 186; Woods, X, 273, 341.
- Sandusky (Portland, Ohio), location, VIII, 78, 193; original name, 84, XIX, 142; swamp near, VIII, 12; road to, IX, 309, XIX, 141; Indians at, I, 47, 124, 128, IV, 89, XX, 317; in Revolution, I, 211; described, VIII, 84, 85, IX, 310, 311; epidemic, VIII, 87; Bradstreet at, I, 314, 324, 326; Bullock, XIX, 13, 142; Buttrick, VIII, 84; Croghan, I, 47, 109; Evans, VIII, 200; Flint, IX, 296; Lower Town, VIII, 78, 84; Upper, 199.
- Sandwich (Can.), Americans in, VIII, 212; Evans, 215; McKee, IV, 94.
- Sandwich Islands. See Hawaii.
- Sandy Hook (N. Y.), in Revolution, IX, 36; lighthouse, XXIV, 193; vessels at, VI, 196, IX, 28, XXIV, 193.
- Sanford, Maj. John F. A., Indian agent, XXII, 235; discovers fossils, 276; with Indian deputation, XXIII, 13; meets Eripuass, XXII, 351; Maximilian, XXIV, 98; engagés, XXII, 294; in Fort Pierre, 328; on Missouri River, 241; on "Assiniboin," XXIII, 12; "Yellowstone," XXII, 311; sketch, 235.
- Sangamon, Indian chief, XXVI, 320.
- Sangamon County (Ill.), river in, XXVI, 319.
- Sanguinaria canadensis*, III, 30, 59, 97, 98, XIV, 61.
- Sanicula marylandica*, III, 29, 68.
- Sanitation, IX, 31, XII, 120; bathing, IV, 319, XI, 65, XXIII, 38; unhealthy cabins, XXVI, 127, prisons and hospitals, XII, 174; bottom lands, XI, 236, XII, 283, XXVI, 63; quarantine stations; XX, 204; in Arkansas, XIII, 130; Illinois, IX, 186, XII, 16; Indiana, XI, 236; Louisiana, XIII, 316; Middle West, XXVII, 95; New York, IX, 30, 54, XII, 172; Pennsylvania, IX, 53, 54, XI, 15, XII, 172, 197; Washington (D. C.), 87.
- Sanpoil (Sinpohellechach) Indians, habitat, VII, 275, 276; conversion of, XXVII, 319, 377, XXIX, 190, 191; death of convert, 399; population (1900), XXVII, 319; sketch, 319.
- Sans Arcs Indians, Teton tribe, XXII, 326.
- Sans Oreille (Sansoreille, Without Ears, Tetobasi), Osage chief, VI, 58, XV, 14, XVI, 274; origin of name, VI, 58; poverty, 59.
- Santa Anna, Antonio Lopez de, Mexican general, XVIII, 313, 314, XXX, 184; expedition against Zacatecas (Mex.), XX, 174, 175; quells insurrection, 169; supports New Mexican constitution, XIX, 271; treaty with Texans, 278; abolishes state militia, XX, 174; closes commercial ports, 146, 236.
- Santa Barbara (Cal.), Echeandia commands, XVIII, 290, 297; Indian mission, 280; Solis in, 298; Farnham, XXVIII, 14; "Harbinger," XVIII, 279; population (1828), 280; sketch, 279.
- "Santa Barbara," Spanish boat, VI, 406.
- Santa Catalina (Cal.), location, XVIII, 226; mission, 221, 222.
- Santa Catarina (Mex.), Willard in, XVIII 361.
- Santa Clara (Cal.), Jesuit college in, XXVII, 193, XXIX, 137; Indian mission, XVIII, 282; Pueblo, language, XX, 55, 56.
- Santa Cruz (N. Mex.), mission, XVIII, 280, 282; agriculture, 359; population, XIX, 265.
- Santa Eulalia, Mexican mine, XX, 187.

Santa Fé (N. Mex.), latitude, XIX, 283, XX, 117, 218; location, XVI, 181, XVII, 237, XVIII, 73, 78, XIX, 180, XX, 70; rivers near, XIII, 231, XVII, 79, 80, 204; mountains, XVIII, 159, XIX, 252, XXVIII, 163, 189, 209; rocks, XVII, 238; ruins, XIX, 301; fossils, 312; mines, V, 244, XIX, 304, XX, 88, 247; agriculture, XIX, 285, XXVIII, 71; as a boundary, XVI, 59, XVIII, 348, 362, XIX, 279; roads to, XVI, 95, 191, XVII, 79, XX, 93, 100, 109, 136, 148, 239 (see also Roads: Santa Fé trail); size, 130; climate, XVIII, 340, XIX, 286; diseases in, XXII, 35; settlement of, XIX, 258; population, XVIII, 76, 349, 375, XIX, 283; described, XVIII, 349, XIX, 282-284; Indians near, XVIII, 130, XX, 73, 76, 86; Pueblos, 59, 63-65; Pueblo revolt, XVIII, 155, XIX, 264-267; Spanish in, XV, 133, 308, XVI, 53, XXIII, 96, 123, XXVIII, 161; expelled from, XIX, 265; troops in, XVIII, 82, XIX, 276; in revolt of 1837, 272; relations with Texas, 166, XX, 235; Americans in, XVIII, 376, XX, 81, 227; attitude towards, 26; governor, XVIII, 229, 302, 303; secretary of state, XIX, 259; American consul, XX, 25; palace, XIX, 283, 284; archives, 17, 259, 263; cathedral, XX, 47; post-office, 149; custom-house, XVIII, 181, XX, 236; cemetery, 54; physicians, XIX, 332, 333; gamblers, XX, 34; merchants, XVIII, 178; as a trade centre, 350, XX, 146, 223, XXII, 211, XXVII, 59; prices, XIX, 337; slave-traders in, XXVIII, 249; overland trade to, XIII, 61; caravans arrive in, XIX, 4, 160, 162, 176, 180, 181, 201, 254, 256, XX, 81, 88, 134, 186, XXII, 231, XXIV, 46, XXVII, 136, XXX, 70 (see also Commerce: Santa Fé trade); relations with Chihuahua, XX, 161, 186, 187; railways to, XVIII, 86, XX, 25; Becknell's expedition in, XIX, 177, 178; Gregg's, 14-16, 233, 252, 274, XX, 87-89, 96, 103, 137-139, 143, 203, 242; Long's near, XVI, 85, 106, XVII, 9; Pattie's in, XVIII, 12-14, 75, 76, 83, 108-111, 144, 180; Pike's, VIII, 280, XVII, 76, XVIII, 9, XIX, 174, 175; Sublettes, 239, XX, 24; Armijo in, XIX, 276, XX, 230; Bishop of Durango, 45, 46; Brevel, XVI, 95; Chavez, XX, 227; De Munn, XV, 282, XVI, 227; Jacova, XVIII, 85; Langham, XX, 90; Pursley, XIX, 173, 174; Vargas, 270; Willard, XVIII, 18, 329.

Santa Fé County (Mo.), depot, XIV, 150.

Santa Fé County (N. Mex.), town in, XIX, 265; mines, 304.

Santa Inez (St. Enos), Indian mission, XVIII, 280.

Santa Juliana, Mexican mine, XX, 180.

Santa Rita (N. Mex.), copper mines in, XVIII, 13, 350, XIX, 177; Pattie in, XVIII, 14.

"Santa Rita de Cobre," copper mines, XVIII, 86.

Santa Rita Mining Company, in New Mexico, XVIII, 87.

Santee Indians, band of Sioux, XXII, 279, 305; expedition against Potawatomi, XXVII, 153; hostile to whites, 150, 151; De Smet among, 153, 154, 166; population (1841), 166.

Santeron, Jacques, deserts to Hudson's Bay Company, II, 16, 131, 146.

Santiam Indians, land cession to United States, XXX, 184.

Santo Domingo, gold and silver in, XIII, 152; Indians sold as slaves, 303; planters, XXII, 94; coquimbos, XVI, 28; Natchez chiefs in, XIII, 352; travellers, V, 199, XII, 56, XIII, 116.

Santo Domingo Pueblo (N. Mex.), language, XX, 56; population, XIX, 272; in revolt, 272; Tanos Indians in, 265.

Santo Tomás de Aquino (St. Thomas), described by Pattie, XVIII, 226.

Saoynes Indians, population, XXVII, 166.

Saphora japonica, III, 275.

Sapime, George, discovers robber, XXIX, 409.

Sapling Grove, rendezvous, XXVII, 197.

- Sapoones, connected with Five Nations, I, 167.
- Sarcis (Sarcee, Sassis, Surcee) Indians, stock, XXIX, 359, 360; trading-posts among, XXIII, 90; in Fort McKenzie, 159, 160; population (1901), 90; sketch, 90.
- Sarcobatus*, abundant, XXIII, 181.
- Sardines, habitat, XXIX, 51.
- Sargent, Charles S., edits Michaux's *Journals*, III, 16, 19.
- Sargent, G., with Wyeth, XXI, 73.
- Sargent, John, missionary to Indians, II, 13, 67, 68.
- Sargent, Winthrop, sketch, IV, 323.
- Sarnanona. See Iron Eye.
- Sarpy, Gregoire B., in St. Louis, XXVI, 165.
- Sarpy, John B., in New Orleans, III, 89, IV, 363, 364; in St. Louis, XXVI, 165; sketch, 163.
- Sarpy, Pierre Labbadie (Colonel Peter), in Fort Bellevue, XXII, 267, XXIX, 372.
- Sarpy, Silvestre D., in St. Louis, XXVI, 165.
- Sarpy County (Nebr.), boundary, XIV, 219, 240; capital, XXII, 267.
- Sarrasin, Quapaw chief, XIII, 131, 139.
- Sarsaparilla (*aralia nudicaulis*), on Rocky Mountains, XV, 294.
- "Sarsaparilla," on Missouri River, XIV, 156.
- Saskatchewan, Thibault in, XXIX, 359.
- Sassafras (*laurus sassafras*), habitat, III, 90, 230, VIII, 181, XXII, 109, XXIV, 121; size, XXII, 58; scented, X, 303; abundant, XII, 204, 206, XIII, 161, XVI, 188, XX, 254; as a remedy, X, 303, XI, 229; observed, IX, 121, X, 306, XVI, 284, XXII, 61, 66, 73, XXIV, 132, 158, 173.
- Sata (wicked), Blackfoot chief, XXIX, 361, 364.
- Satropa stimulosa*, described, XVI, 156.
- Satsika Indians, sign language, XXIV, 301.
- Satyrium repens*, observed by Long, XIV, 61.
- Saucier (Sancier), —, carpenter, XXIII, 34, 167.
- Sauk (Sac, Saki) Indians, stock, V, 49, XX, 297; union with Foxes, II, 186, V, 49; habitat, VIII, 292, XXII, 245, 253, XXVIII, 134, 141; village site, XXIV, 111; wandering bands, XXII, 177; hunting grounds, XIV, 160, XXII, 256, 263; reservation, XXX, 255; population, XX, 341, XXVIII, 121, 142, 144; description, XXI, 122-124, XXII, 221-226, 236, XXVIII, 141-144; characteristics, XIV, 270, XXII, 271, 308; customs, XIV, 287, XXI, 145, XXIV, 112; language, XXII, 253; dialect, XXIV, 208, 209; vocabulary, 294, 295; intertribal relations, XIV, 233, 314-317; with Iowa, VI, 51, XXVIII, 145; Kansa, V, 67; Missouri, XV, 134, XXII, 246, XXIV, 112, XXVIII, 145; Omaha, XIV, 287, 288, XXII, 277; Osage, XIII, 247, 279, XVI, 272, 274; Oto, XVII, 151; intercede for Black Hawk, XXII, 217; hostilities, XIV, 133, 285, XV, 185, XVII, 151, XXVIII, 146; skirmish with Spaniards, XIV, 152; in War of 1812-15, 139, XVIII, 31, XXVI, 280; relations with Americans, V, 253; councils, XIV, 314-317, XXII, 14, 236; land cessions, XVIII, 31, 33, XXI, 122; treaties, 122, 124, XXIV, 315, 316, XXVIII, 152; own lead-mines, V, 253, 254; relations with fur-traders, VII, 186, XV, 193, XXIV, 111; in St. Louis, XXII, 237, XXV, 10; portraits, 10, 36.
- Saukenuk (Ill.), XXI, 123, XXII, 217.
- Saukière (Wis.), Indian village, VIII, 232.

- Sault au Récollet, mission at, II, 58.
- Sault Ste. Marie, trade route, VI, 388; trading-post, 392, 393; mission, II, 47, 79; War of 1812-15, VI, 17, 393, 394; Indians, XXIII, 190, XXIV, 277; Ermatinger, VI, 395; Franchère, 14, 396; Johnston, 393; McCargo, 393; McKay, XXI, 201; Tanner, XXII, 390; history, VI, 394; described, II, 79, VI, 394, 395; sketch, II, 79.
- Saunders, —, in Montesano, IV, 343.
- Saussure, Horace Benedict de, cited, XVII, 230.
- Sauteur, Le Grand, Chippewa chief, I, 161-163.
- Sauteur (Sautoux, Sautous) Indians. See Chippewa.
- Sauvé, Jean Baptiste, island named for, XXI, 301.
- Sava, Francis, with De Smet, XXVII, 249.
- Savage, —, in Marlborough, XI, 121.
- Savage, Capt. John, in French and Indian War, IV, 155.
- Savages of the Lake Indians, seen by De Smet, XXVII, 166.
- Savannah (Ga.), yellow fever in, III, 120; hunting laws, XI, 99; market, III, 298; ships, IV, 372; shipping-port, XI, 65; wages, III, 201; New York steamship line, XI, 198; Bell, XV, 165; Edwards, XI, 70; Hutchins, IV, 326.
- "Savannah," steamship, XI, 66.
- Savary, Henry, merchant, III, 197, 198.
- Savoyenne, as dye, XXIII, 278.
- Saw-brier, *schrunkia horridula*, XIII, 244; *uncinata*, XVI, 89.
- Sawcung (Sawkonk, Sawkung), Indians in, I, 272, 276; French, 227, 228, 269; English, 250; English-Indian council, 200; Post, 200, 210, 279.
- Saws, X, 222, XXX, 219; cross-cut, IX, 60, 61, XXX, 219, 259; hand, X, 222, XIX, 210, XXX, 219, 259; mill, 219; whip, XXVIII, 337, 357; as equipment, XXVII, 310, XXX, 129.
- Saxa, Francis, Flathead convert, XXVII, 232, 233.
- Saxe Weimar, Duke Bernhard, describes New Harmony, XXII, 163, XXVI, 68; stage coaches, XXII, 50; in Circleville (Ohio), XXIV, 149; visits mamelles, XXVI, 272, 273; kindness to Maximilian, XXII, 218; *Travels through North America*, 140.
- Saxifraga, bulbous umbellifera*, III, 96; *nivales*, XV, 295; *pennsylvanica*, XIV, 62; *virginensis*, 61.
- Saxton, Joseph Charles, with White, XXX, 100.
- Say, Benjamin, in Revolution, XIV, 40.
- Say, Thomas, zoologist, XIV, 11, XV, 191, XVII, 97; accompanies Long, XIV, 11, 40; duties, 42, 248, XV, 189, XVII, 103; qualifications, 181; equipment, XIV, 127; explores Indian mounds, 111, 114-118; on Loutre Island, 129; expedition to Fort Osage, 12, 157, 161, 168; to Platte, 172, 182-206; letter to Long, 210; at Isle au Vache, 176; rejoins expedition, 137, 230; assists James, 18; with O'Fallon, XV, 136, 140; Bell, XVI, 58; Captain Long, XVII, 12; at Fort Smith, XVI, 186; illness, XIV, 12, 131, 176, 182, 209, 211, 215, XVII, 97, 101; robbed, XIV, 12, 228, XV, 218; other incidents, XIV, 277, XV, 263, XVI, 261; relations with Indians, XIV, 176, 187, 199, 200, 206, 210, 215, 225, 281, XV, 143, XVI, 206; departure for home, XVII, 88; in Philadelphia, 103; New Orleans, XIV, 18; Mexico, XXII, 174; New Harmony, 133, XXIV, 164; relations with Maximilian, XXII, 13, 186, 188; natural history notes, XIV, 166, 219, 288, XXII, 169-171, 263, 302, 386, XXIII, 245, XXIV, 129, 130; observations, XIV, 111, XVII, 263; collections, 181, XXII, 170, 171, 186, 187; notes on Indian life, XIV, 188-198, XV, 157, XVII, 158, XXII, 70, 150, 252,

SAY (continued) —

- XXIII, 252, 256, 272, 275, 334, 376; on Indian language, XVI, 221, XVII, 289, XXIV, 301; journal, XIV, 250; manuscripts lost, 17, XVI, 187, 227, 263, 264, 271, XVII, 101, 158; chapters on Long's expedition, XVI, 192, XXII, 275, XXIV, 125; quoted, XIV, 35, XXII, 174, 313, XXIII, 354, 358, 376, 390; work on conchology, XXII, 187; *American Entomology*, XIV, 40; sketch, 40, XXIII, 245.
- Saynisch, Dr. —, in Bethlehem (Pa.), XXII, 76, 79, 144; expedition to Alleghanies, 87; Maximilian joins, 136; collections, 90, 100.
- Scarroyahy (Scarrohaday, Scarroyady), Oneida chief, I, 28, 79; at Great Meadows, 96; Logstown, 42, 43, 76; sketch, 28.
- Schafer, Dr. Joseph, aid acknowledged, XXX, 18, 124.
- Scharf, J. F., *St. Louis*, XXII, 282, XXVI, 114, 150, 164, 168, 259.
- Schenck, —, trader, XX, 136.
- Schenck, Robert C., Ohio congressman, XX, 136.
- Schenck, William, founds Newark (Ohio), IX, 305.
- Schenectady (N. Y.), road, VIII, 118; railroad, XXIV, 188; boats, II, 213; Indians, 44, VIII, 180; Bullock, XIX, 153; Buttrick, VIII, 89; Long, II, 210; Maximilian, XXIV, 187; sketch, VIII, 89, XXIV, 187, 188.
- Schist, fossils in, XVII, 250; aluminous, 249; argillaceous, V, 155, 167, 275, 294, 295; clay, IX, 75, 101, 111.
- Schlosser, Capt. Joseph, in Fort St. Josephs, I, 117; fort named for, VIII, 182.
- Schlosser (N. Y.), portage to Lewiston, VIII, 178; in War of 1812-15, 182.
- Schmidt, J. W., Prussian consul, XXII, 58, 59, XXIV, 192.
- Schneider, Johann Gottlob, *History of Amphibia*, XIV, 45.
- Schofield, W. S., discovers mammoth crocodile, XIX, 127.
- Schoharie (N. Y.), soil, VIII, 179; travellers in, I, 17, VIII, 122.
- Schomburgk, Sir Robert Hermann, zoologist, XXIV, 320.
- Schönbrunn (Ohio), Moravians in, I, 130.
- Schonerstown (Schoner's Town), Maximilian in, XXII, 126.
- Schoolcraft, Henry Rowe, writings on Indians, XXII, 70, XXIII, 252, XXIV, 147; describes sun-worship, XX, 286; natural objects, XVII, 206, 243; explorations, XIV, 23; letter from, XXVI, 265; criticism, XXII, 238; *Indian Tribes*, II, 124, XIII, 121; *Cass's Expedition*, XXII, 309, XXIII, 191; *Expedition to Itasca*, XXII, 233, XXIII, 152, 191; *Catalogue of Minerals*, XVII, 226; *View of Lead Mines*, XV, 173, XVII, 27, 41, 219, 226, XXVI, 73, 95, 103, 139, 146, 147; *Travels*, XI, 263, XXIII, 191, XXVII, 110, 111; sketch, XX, 286.
- Schoolcraft, James L., killed by Tanner, XXII, 390.
- Schools. See Education.
- Schorl, crystals of, XVII, 230; detached, 57.
- Schuchart, —, in New York, XXII, 58.
- Schudegacheh (Smoke), Ponca chief, meets Maximilian, XXIV, 98, 99; portrait, XXV, 40.
- Schultz, Christian, Jr., Indian mounds described by, XXII, 149, 150; *Inland Voyage*, XIV, 70, 92, 102, 123, XXII, 149.
- Schuyler County (Ill.), in bounty tract, XXVI, 128.

- Schweigert, George, killed by Indians, XXII, 125.
- Schweinitz, Lewis David von, in Bethlehem (Pa.), XXII, 78, 79, 125.
- Scilla*, observed by Nuttall, XIII, 199.
- Scioto (Ohio), French in, III, 167, 183-185; *Gazette*, 186, IV, 217, 220.
- Scioto County (Ohio), trees in, IX, 285; parroquets, IV, 161; state road, 167.
- Scioto Land Company, agents, XI, 136; disputes, III, 183.
- Scoriæ, abundant, XXVIII, 299, 352; observed by Maximilian, XXII, 331, XXIII, 243.
- Scornalt, Indian deity, governs White Man's Island, VII, 273, 274.
- Scotch (Caledonians, Highlanders), criticism of America, XI, 136; emigrants to, V, 291, IX, 25, XIII, 283; in California, XVIII, 294; Canada, VI, 71, 299, 391, IX, 322; Florida, IV, 336-338; Hawaii, VI, 213; Illinois, X, 258; Indiana, IV, 266, 267, IX, 250-252, XI, 218, 296, XXII, 163; Kentucky, X, 68, XXX, 120; Massachusetts, XI, 55; Mississippi, IV, 325, 347; Missouri, III, 79, 80; New Mexico, XX, 33; New York, IV, 215, IX, 35, 46; North Carolina, XV, 245; Ohio, IX, 101, 114, 119, 123, X, 237; Oregon, XXIX, 18, 19; Pennsylvania, X, 81, XVI, 127; South Carolina, III, 301, XI, 66, 67, 90, 91, 94, 99, 100; Virginia, 154; Washington (D. C.), 131; idioms of, XXI, 246; characteristics, III, 152, IX, 9, 85, 109, 120, 163, 251-253, XI, 223, 244, XII, 96, 201; bag-pipes, VIII, 306, 307; as boatmen, X, 243; car-men, 192; farmers, IX, 326; fur-traders, II, 15, VI, 379, 382, VII, 10, 54, 87, 120, XXII, 233, 316, XXIX, 54; geographers, VI, 359; in French and Indian War, I, 235, III, 345, IV, 242; driven from Red River, VI, 381. See also Scotch-Irish.
- Scotch-Irish settlers, in Kentucky, III, 40; Maryland, 360; North Carolina, 55, 101; Pennsylvania, I, 237, 238, III, 50, 321, 364, VIII, 122, XIII, 37, XXIII, 38, XXX, 153; South Carolina, III, 55; Virginia, 48-50, VIII, 287; Holston valley, I, 135, 136.
- Scott, —, on Beech Fork (Ky.), III, 88.
- Scott, —, distiller, XI, 290.
- Scott, —, trader, bluff named for, XXI, 179, XXX, 57.
- Scott, Lieut. —, campaigning with Jackson, VIII, 351.
- Scott, H. W., *Provisional Government of Oregon*, XXX, 214.
- Scott, John, with McKnight, XIX, 176.
- Scott, Levi, on exploring expedition, XXX, 123.
- Scott, Samuel, University president, XI, 209.
- Scott, Sir Walter, visited, XII, 55; works noted, XI, 97, 298, XXVI, 102.
- Scott, William, Illinois pioneer, XXVII, 112.
- Scott, Col. William, in Mississippi, IV, 324, 347.
- Scott, Gen. William, campaign, V, 254; builds fort, X, 240.
- Scott, Gen. Winfield, in War of 1812-15, XIII, 291; Mexican, XIX, 185, 187; nomenclature, IX, 188.
- Scott County (Ark.), river in, XIII, 156.
- Scott County (Ill.), settlements, XXVI, 129, 302.
- Scott County (Ky.), settlement, XX, 306.
- Scott County (Mo.), island, XXVI, 83; county seat, XXII, 207; bottom land, XIV, 95.
- Scott County (Nebr.), bluffs, XXX, 57.
- Scouts, with American army, XIX, 221.
- Scranton (Pa.), location, XXII, 111.

Screw-wood. See Tornillo.

Scribner brothers, found New Albany (Ind.), X, 44.

Scrophularia, lanceolata, XV, 277; *marylandica*, III, 30.

Scuffletown (Ky.), location, XIII, 69; Cuming in, IV, 265.

Scull, John, publisher, IV, 244; map, I, 90.

Scunnionsa. See Elk (a Mohawk).

Scutellaria galericulata, observed by James, XV, 233.

Scythia, American Indians in, XXI, 77.

Sea-bass, in Philadelphia, XII, 331.

Sea-bladders (Portuguese man-of-war), observed by Ross, VII, 48.

Sea elephants, observed by Pattie, XVIII, 225.

Sea-hogs. See Porpoises.

Sea-lions, boats made of skins, XVIII, 284.

Sea-nettles (Portuguese man-of-war), X, 182.

Sea-otters (*Enhydra marina*), rare, VI, 323; habitat, XVIII, 225, 270; hunted, VI, 328, XVIII, 284, 305; skins, VI, 289, VII, 104, 249, XVIII, 305.

Sea-urchin, Georgia fossil of, IV, 121, 122.

Sea-weed, described by Woods, X, 183.

Sea-wolves, as food, XXIX, 152.

Seals, on Falkland Islands, VI, 202, 203; abundant, 249, VII, 50, XXI, 358; hunted, VI, 257, XXI, 23; value, XXII, 382; observed, XVIII, 225; described, XXVII, 375; hair, habitat, XXIX, 51; red hair (*phocida* or *zalophus californicus*), XXVIII, 368; oil, XXI, 320, 359; skins, as covering, XVIII, 284, XXIII, 279; trade in, VI, 286, VII, 36, 233, XXI, 23, 28.

Searcy County (Ark.), drainage, XVII, 25.

Searight, T. B., *Old Pike*, III, 363, XXVI, 278.

Sears, —, judge, IV, 136, 139.

SEAS—

Mar Marvejo, Marquette mentions, XIV, 97.

Mediterranean, pirates on, XIX, 105; trees, XIV, 67.

North, tributaries, XVII, 239.

South, coast line, XXIX, 146; seal in, VI, 286; Wilkes expedition on, XIV, 41; English cruisers, VI, 406; commerce, XXI, 9.

Yellow, Yankees on, XVIII, 327.

Seaside (Oregon), summer resort, XXX, 193.

Seaton, Alfred, insurance officer, VI, 407.

Seaton, William, publisher, XI, 124.

Seattle (Wash.), coal mines, XXIX, 51.

Sebastian County (Ark.), mountains in, XIII, 198; drainage, 196.

Sebastion, Judge —, in Spanish intrigue, III, 81.

Sechelmeld, Flathead Indian, XXVII, 286.

Sedalia (Colo.), location, XV, 299.

- Sedgwick County (Kans.), streams in, XVI, 239, 240.
- Sedum, stenopetalum*, XXIX, 424; *ternatum*, XIV, 61.
- Seed-ticks (*ixodes molestus*), described, XVI, 288, 289.
- Seidel, Rev. Charles F., aids Maximilian, XXII, 79, 83, 85.
- Sekanais (Tsekenné) Indians, habitat, XXIX, 253; population, 253; trade with, 121, 278.
- Selena (Selma, Mo.), Maximilian in, XXII, 212; bluffs, XXVI, 103.
- Selenite, abundant, XIII, 231, XX, 242, XXIII, 49, 65; beauty of, XVI, 99; crystals, V, 92, XVI, 30; white color extracted, XXIV, 19; observed, XVI, 94, 137, 138, 143.
- Selinum acaule*, observed by Bradbury, V, 318.
- Selkirk, Thomas Douglas, Earl of, founds Red River settlement, VI, 17, 274, 379, 380, 381, 391, XI, 145; erects trading-post, XXIII, 353; captures Fort William, VI, 386; Rainy Lake House, 384.
- Selpisto, Pend d'Oreille chief, XXIX, 174, 411.
- Semino, Canadian interpreter, XV, 143.
- Seminole Indians, XXVIII, 121; signification of name, XX, 298; stock, 297; settlements, 106; removal, 299, XXVIII, 130; population, XX, 317, XXVIII, 121, 131; slavery among, XX, 303; incited to war, VIII, 353; war, 172, XIII, 305, XX, 300; grant, XXVIII, 128.
- Semple, Capt. Robert, in Mississippi, IV, 331, 344.
- Semple, Gov. Robert, defeated by Indians, XXIII, 152; killed, VI, 381.
- Semple, Steele, lawyer, IV, 84, 331.
- Seneca (Tsonontouan) Indians, Iroquois tribe, II, 43, 44, XX, 297, XXIV, 163; habitat, I, 167, II, 45, XXIV, 162; scattered bands of, I, 31, 126, 128, 129, VIII, 42, 55, 88, 183, 186, 199; reservation, 153, 184; boundaries, XXVIII, 131-133; population, I, 31, 167, VIII, 183, XX, 317, XXIV, 162, XXVIII, 121, 131; described, VIII, 183, XXIV, 162, 163, XXVIII, 131; language, I, 245, XXIV, 163, 176; occupation and dress, IV, 89, 90, XXIV, 176, 181; chiefs, I, 24, 43, IV, 89, XII, 49, XIII, 339; relation with Quapaw, XXVIII, 133; Shawnee, II, 68, XXVIII, 121; with Tuscarora, XIX, 150, XXIV, 175; relations with English, I, 42, 313, 317; French, 54, XXIV, 178; in Pontiac's conspiracy, 174; burn Niagara, II, 49; in War of 1812-15, VIII, 182; treaties, I, 30; land grants, VIII, 184, XII, 213, XXIV, 164, 165; mission among, IV, 89, 90; criticize Washington, II, 63; friendly to Weiser, I, 25.
- Seneca oil, how obtained, IV, 101.
- Senecio, laciniata*, XIII, 97; *pauperculus*, V, 320.
- Senna (*cassia marylandica*), habitat, XXII, 159.
- Sensemann, Ann Catharine, killed by Indians, XXII, 125.
- Sensemann, Henry Joachim, Moravian missionary, XXII, 124.
- Sensitive plant, yellow-flowering, XVI, 89; *cassia nicitans*, 169.
- Senters, Sharp C., on Cascade Mountains, XXX, 150.
- Separatists, Württemberg, emigration to United States, XXIV, 155.
- Seraldo, Don, visited by Pattie, XVIII, 285, 286.
- Serbinati, Father Pietrox. See Zerbinati.
- Serpent Indians, habitat, XXIX, 230; converted, XXVII, 192, 319.
- Serpent's Head, Oto warrior, XV, 93.
- Serra, Joseph Corea, scientist, XIII, 26; ambassador to United States, XXII, 186; Nuttall indebted to, XIII, 26.

Serra, Father Junipero, Franciscan friar, VI, 342; mission founded by, XVIII, 279-281, 283; San Diego de Alcalá, 273; tomb, 281.

Serratula, cuphea viscosa, didynamia gymnosperma, and *d. angiosperma*, III, 43; *præalta*, 36.

Serré, Capt. Pascal. See Cerré.

Servants, character, XII, 199, 200; social status, X, 94, XI, 230; independent, X, 105, 106, XII, 330; unfavorable characteristics, 77, 95, 164, 196; indentured, III, 301, XII, 306; white, III, 242, XII, 75; negroes, XXII, 216; Mexicans, XVIII, 87, XXVIII, 172; among Indians, VIII, 66; scarcity, X, 103, 105, 123, 129, 132, XI, 163, 200, 201, 220, 253, 255, 268, 300, XII, 74, 234; wages, XI, 216, XII, 77, 234; on Long Island, 76; Fort Edmonton, XXIX, 249; Fort Vancouver, 65; Mississippi River steamboats, XIX, 128; with Ballard, XVII, 12; Morris, I, 303, 308; Pattie, XVIII, 87, 144; Red River expedition, XVII, 66; men as housemaids, XI, 266. See also Economic Conditions: Wages; Laborers, and Trades.

Service berries (bilberry, *amelanchier*), habitat, XVIII, 277; abundant, XXI, 210, 249, 273, XXVII, 256, XXIX, 51, 196; as food, XXIII, 313; observed, X, 306, XIII, 42, XXII, 102, XXVIII, 284, 289, 325; described, XXVII, 256; (*canadensis*), XXVIII, 277, 284, 289, 325; (*sanguinea*), XXIII, 354.

Sesbania macrocarpa, observed by Nuttall, XIII, 242.

Seseli divaricatum, observed by Bradbury, V, 318.

Sesuvium sessile, observed by Nuttall, XIII, 273.

Seton, Alfred, in Astoria, VI, 273, 274; accompanies McKenzie, 277, VII, 218; return from Willamette, VI, 281; expedition to interior, 294; on "Pedlar," 316, VII, 264; Hunt's testimony, 264, story, VI, 406, 407.

SETTLEMENTS: frontier, I, 11, 56, IV, 32, V, 12, 67, VIII, 12, 119, 120, IX, 11, XIV, 169, XVI, 83, 85, 139, XVII, 32, 33, XX, 296, XXVI, 244, 280; character of, V, 12, VIII, 253, XIII, 308, 309, XVII, 32, 33; communistic, XXII, 13; hardships in, IV, 157, VIII, 183, XIII, 142; isolation, IV, 150, V, 258, 259, XVII, 13, 39, XXII, 90, 121, 128, 147, 211, XXIV, 113, 116; dangers, VIII, 255, XIII, 192; Indian attacks, I, 26, 134, XIII, 306, XVI, 278, XXI, 123, XXVIII, 150; protection for, V, 97, VIII, 219, XIX, 63, XXVII, 22; opportunities for, V, 42, 262, 263, 312-316, VI, 160, XIII, 107, 235, 252, XVI, 60, XVII, 112, XXI, 265, XXVII, 360, XXIX, 102, XXX, 45, 102, 106, 206, 232, 283, 287, 292; growth, III, 19, 23, IX, 232-236, X, 14; retarded, VI, 160, 161, XXI, 314, XXIII, 241; by land speculation, IX, 183, XII, 207, 212, XIII, 55; insecurity of titles, XIV, 63, 103; character of soil, XVII, 214; lack of wood and water, XIV, 20, 183, 184, 213, XV, 196, XVI, 152, XVII, 111, 112, 119, 147, XXX, 33; by insect pests, XXVI, 354; distant markets, IX, 183; difficult communication, XVII, 29; unhealthfulness, 33, 34, 63, XXIX, 86; influenced by salt springs, XIV, 58; indications of, IX, 50, XVI, 160; effects, V, 307, IX, 121, XV, 256, 257, XXII, 234; old and new compared, IX, 39, 211; unhealthfulness of new, XIII, 280, XVI, 190, 191, XVII, 86; hospitality in, XIV, 150; founded by squatters, XI, 100, 101, XIII, 177, 213, XXII, 182, 192, 258, XXVII, 98; aided by missionaries, 388, XXVIII, 18, XXIX, 95, 97, 101, 173, XXX, 193; abandoned, I, 188, III, 70, 293, IV, 276, 278, X, 14, 69, 241, XIII, 78, 79, 90, 91, XIV, 83, XVI, 191, XVII, 15, 33, 77, XVIII, 104, XX, 154, XXII, 100, 302, XXX, 224.

Nationalities: European, XXII, 43; Dutch, VIII, 22, 42, XII, 182, XXIV, 187; English, X, 10, 11, 48-51, 89, 116, 196, 271, 321, XI, 10, 11, 14, 16, 109, 144, 154, 191-193, 211, 216, 217, 222, 225, 240-242, 269, 274, XII, 202, 248-260, XIII, 71, XIX, 51; French, III, 182-185, IV, 147, 148, 228, 323, 339, VIII, 209, 232, 313, IX, 324, 325, X, 267, 326, 327, XII, 236, XIII, 56, 101, 105, 301, 349, 358, XIV, 104, 108, 109, XXII, 207, 210, 215, 238, 239, XXIV, 136, 137, 139, XXVI, 12, 68, 109, 133,

143, 277, XXVII, 30, 34, 42, 45, 50-60, 92, XXX, 178; character of, XXVI, 98, XXVII, 31, 32, 43, 44; abandoned, 93; captured, 89; defense, 74; Americans among, XIX, 62; Germans, I, 178, IV, 292, X, 50, 56-58, XI, 124, XII, 182, 259, XIII, 44, XXII, 72, 77, 85, 140, 163, XXIV, 157; compared with Irish, XXII, 137; Irish, I, 186, XXII, 137; Jewish, XXIV, 165; Russian, VII, 195, 233, 234, XVIII, 283-286, XXIX, 131, 151; Scotch, IV, 251, IX, 101, 250-252; Scotch-Irish, I, 237; Spanish, V, 235, VI, 342, 390, XIII, 333, XV, 221, XVI, 65, 87, 117, XVIII, 9, 15, 367, XXI, 28, XXVII, 31, 45, XXVIII, 33, 150, XXIX, 145; Swedish, XXVI, 307; Swiss, V, 316, VIII, 284, IX, 157, XIII, 63, XXII, 152, XXIV, 142.

Localities: on Allegheny River, III, 32, 158, 240, VIII, 52, XIX, 28; Arkansas, XIII, 99, 101, 104, 110, 111, 137, 139, 144, 145, 169, 170, 280-282, 285, XVI, 256, XVII, 100, 101, XIX, 63; Colorado, XVIII, 15, 188, 192, 195, 196, 200-204, 210, 211; Cumberland, III, 61, 62; Mississippi, IV, 279, 280, 282, 283, 291, 292, 295, 296, 298, 300, 303-309, 323, 355-361, V, 258, VIII, 302, X, 326, 327, XIII, 79, 81, 89, 94, 297, 299, 308, 311, 313, 358, XIX, 45, 50, 51, 64, XXI, 92, XXII, 207, XXVI, 93, 112, 128, XXVII, 108; Missouri, III, 192, V, 37, 42, 47, 52, VI, 63, 78, 148, IX, 247, XI, 154, XIV, 137, 145, 146, 149, 169, 170, 213, XV, 171, XVIII, 332, XIX, 62, XXI, 46, XXII, 240, 242, 260, XXIII, 94, XXIV, 112, 118, 123, 126, XXVIII, 18, XXIX, 371; Monongahela, III, 32, 158, 162, 170, 240, 334, XIX, 28; Norte, Rio del, XVIII, 86, XIX, 259, XX, 155; Ohio, III, 169, 177, 181, 193, 194, 209, 250, IV, 122, 131, 139, 141, 150, 258, 259, 261, 263-269, 279, VIII, 255, IX, 157, X, 225, 241, 245, XIII, 48, 53, 54, 58, XIX, 30, 39, XXVI, 74; at mouth, XXII, 204, XXVI, 80; Red, XIII, 110, 147, 221, XVII, 32, 63, 64, 66, 76, 77, 99, XIX, 63; St. Francis (Ark.), XIII, 89, XVII, 41, 128, XIX, 64; Susquehanna, I, 92; Wabash, XXII, 177, XXVI, 66; Washita, XVII, 89; White (Ark.), IV, 298, 299, XIII, 96, 99, XVII, 24, 25, 28, 29, 218, XIX, 64; in Arkansas, IV, 298, XIII, 18, 90, 102, 106, 110, 127-131, 135, 140, 141, 144-146, 148, 150, 152, 155-157, 162, 168-172, 180, 195, 196, 289, 296, XVI, 289, XVII, 15, 24, 48, 50, 53-56, 58, 64, 65, 83, 122, 127; California¹ XVIII, 16, XXVIII, 33, XXX, 88; Idaho, 91; Illinois, III, 70, 71, IV, 147, 274, 276-279, VIII, 291, 292, IX, 71, X, 9, 11, 100, 116, 254, 255, 267, 272, 325, XI, 142, 238, 239, 262, XII, 243, 248-260, XIV, 98, 104, XVII, 92, 113, 114, XIX, 56, 58, XXII, 210, XXVI, 200, 232, 245, 252, 256, 299, 301, 330, XXVII, 21, 107, 112, 117; Indiana, IV, 261, 269, 270, IX, 185, 287, X, 196, 321, XI, 132, 232, XII, 230, 236, 271, XIX, 69, XXIV, 135, 139; Kentucky, I, 136, III, 45, 92, 216, 220, 221, 250, IV, 145, 164, 177, 197, 257, 261, 262, 265, 267, 272, 276, XI, 221, XIII, 50, XIV, 74, XVIII, 29, XXVI, 48, 212, 215; Louisiana (including W. Fla.), IV, 332, 335-339, 343, 357-359, VI, 153-156, VIII, 328, XIII, 120, 145, 307, 348, 349, XVII, 61; Maryland, XII, 284; Mexico, XVIII, 151, 155, 363, XX, 109, 152, 193; Mississippi, IV, 308, 315, 318, 326-328, 336, 345-347, VIII, 312, XIII, 298-301; Missouri, III, 80, IV, 266, 282, 296, V, 48, 51, 52, 264, 267, VI, 36, 38, 41, 45-48, 56, XIII, 105, XIV, 94, 95, 98, 133, 137-139, 146, 150, 158-160, 162, 164, XV, 168, 174, 177-179, XVII, 86, 88, 89, 119, 126, XVIII, 10, XX, 92, XXI, 129, 159, XXVI, 87, 117, 174, 179, 269, 278; Montana, XXVII, 269; New England, I, 191, VIII, 105, 106, 111, 116, 127; New Mexico, XVIII, 13, 167, XIX, 173, 257, 259, 262, 284, 285, XX, 150, 151, 348; New York, VIII, 42, 56, 88, 119, 122, 182, 186, XXIV, 187; North Carolina, III, 56, 286; Ohio, I, 130, III, 30-35, 182-185, IV, 91, 111, 114-117, 120, 122, 124, 125, 127, 131, 142, 147, 148, 150, 162, 210, 212, 219, 222, 223, 226-228, 231, 233, 256, VIII, 78, 185, 196, 199, 209, 263, IX, 112, 119, XIII, 56, 60, XIX, 82, 115, XXVI, 75; Oregon, VI, 175, 261, VII, 10, 162, XX, 23, 24, XXI, 16, 297, 306, 319, XXVIII, 16, 275, XXIX, 21, 26, 95-98, 185, 193, 194, XXX, 9, 14, 86, 100, 141, 142, 155, 156, 169, 172-175, 178, 191, 192, 201, 204, 206; Willamette valley, VI, 247, XXI, 138, 299, XXVII, 367, 386, 389, XXVIII, 15, XXIX, 91, 120, 179, XXX, 168; relation of Hudson's Bay to, XXVII, 386, XXX, 159; in Pennsylvania, I, 61, 62, 91, 186, 187, 234, III, 136, 139, 141-143, 158, 162, 334, 335, IV, 37, 52, 73, 74, XI, 109, XII, 21, 182, 202, XIII, 37, 44, XXII, 62, 97, 98, 106, 114, 118, 124; South Dakota, XXIV, 35; Tennessee, III, 45, 56, 61, 84, 95, 96, 98, 257, 268, 270, 272, 274, IV, 46, 293, XIII, 82, 183; Texas, IV, 298, XIII, 117, XVIII, 366-368, XIX, 279, XX, 225, 348; Virginia,

SETTLEMENTS: *Localities* (continued)—

III, 46, IV, 236; Washington, XXIX, 120, 129, XXX, 11, 213; West Virginia, III, 181, 182, IV, 139, 140, 142, 150, 165, 166, 235, XIX, 33; Wisconsin, VIII, 232; Mormon, XX, 96, XXVI, 335, XXVIII, 18, XXIX, 371; in British Columbia, 76, XXX, 212; Red River of the North, VI, 17, 274, 379, 381, 386, 391, VII, 22, XI, 145, XXIII, 353, XXVII, 391, XXVIII, 340, XXIX, 97, 171, 231; Western prairies, XIX, 190, 252, XX, 250, 257.

Seven Mile Ford (Va.), A. Michaux in, III, 52.

Seventh Day Baptists, in Pennsylvania, I, 18, 19.

Severance, Frank H., aid acknowledged, I, 14; *Niagara Frontier*, II, 49.

Sevier, Col. John, in Franklin, III, 57.

Sevier County (Ark.), Little River in, XVII, 51; boundary, 51.

Sevierville (Tenn.), road, III, 58.

Sevigné, Marie de Rabutin Chantal Marquise de, quoted, XXVI, 25.

Seymeria macrophylla, abundant, XIII, 54.

Seymour, Samuel, landscape painter, XIV, 11, 41, XV, 191, XVII, 98; with Long, XIV, 42, 43, 127, 157, 172, 182, 248, XV, 136, XVI, 58, 186, 192, 222, XVII, 12, 88; in New Orleans, XIV, 17; Philadelphia, XVII, 103; sketches, XIV, 80, 209, XV, 302, 306, XVII, 93, 181, 210, XXII, 70.

Sforza, Cardinal Ascanio, in Rome, XX, 291.

Shaboo, Madame —, tavern-keeper, IV, 361.

Shad, described by Welby, XII, 331.

Shags, abundant, VII, 50. See also Cormorants.

Shahaka. See Sheheke.

Shahaptin (Saptin) Indians, tribes, VI, 340, VII, 137, XXI, 302, XXVII, 377, XXIX, 288; habitat, VII, 137; river named for, XXVIII, 303; sociological study, VII, 12; weapons, 138.

Shakers, in Ohio, IX, 299, 300.

Shalalas, Upper Chinook branch, VII, 124.

Shale, observed, XIII, 39, XXX, 64; argillaceous, XIII, 41; bituminous, IX, 121, 310, XIII, 52, 208, XIV, 82, 89, XVII, 254; stratification, XIV, 55; organic remains in, XIII, 38.

Shallum. See Salal-berry.

Shalots, cultivated, X, 209, 263, 305.

Shamokin, Indian village, I, 178, 235, 246; sketch, 235.

Shamokin, Daniel, in Fort Augusta, I, 189; treachery, 209, 232; betrays Post, 189, 210, 257, 258; relations with English, 212, 224.

Shamonekusse (Shamonekusse). See Ietan.

Shanks, —, in Washington, XI, 115.

"Shannon," challenges "Chesapeake," VIII, 241.

Shannon County (Mo.), Currents River in, XVII, 37.

Shannopin (Shawanapon), Delaware chief, I, 37.

Shannopin's Town (Pa.), VII, 247; road, 22, 242; population, 24; travellers, 24, 74.

Sharha (Shaway) Indians. See Cheyenne.

Sharitarish (Characterish), Republican Pawnee chief, XV, 144; visits Washington, 145; present for, 148; dance, 149; brother, 145.

- Sharks, in Mexican gulf, IV, 373; habits, 374; numerous, VIII, 359; observed, XI, 44, XII, 160, XVIII, 225; as food, IV, 373, 374, VI, 199, 315.
- Sharon (N. Y.), Evans in, VIII, 122.
- Sharp, Maj. —, in Kentucky, III, 63; Tennessee, 86; sketch, 63.
- Sharp, Solomon, Kentucky lawyer, III, 63.
- Sharp County (Ark.), rivers in, XVII, 35.
- Sharpe, Ebenezer, in Transylvania University, IV, 184.
- Shasty Indians, hostility of, XXIX, 19; population, 99.
- Shatchel Indians, population (1839), XXIX, 98.
- Shaumburg, Capt. Bartholomew, erects Fort Stoddard, VIII, 312.
- Shaw, Angus ("Le Chat"), in North West Company, II, 16, 95, VI, 295; nickname, II, 101, 105, VI, 295; at Lake Manontoye, II, 95, 99-103, 112, 113; rescued by Long, 103-108, 139.
- Shaw, George, English naturalist, X, 127, XV, 168.
- Shaw, William, on Rickerall River, XXX, 174.
- Shawano County (Wis.), Indian reservation in, II, 183, XXIV, 183.
- Shawhay Indians. See Cheyenne.
- Shawnee (Chaouanon) Indians, stock, XX, 297; tribes, XXII, 200, 201; habitat, I, 54, 126, 133, 134, 168, II, 29, 41, IV, 220, XIII, 59, XIV, 97, XVII, 40, 41, XXIV, 148, 149, XXVI, 68; migrations, I, 138, 281, XIII, 73, XX, 103, 299; migration legend, 301; hunting grounds, I, 168, VIII, 287, XIX, 72; reservation, 196, XXII, 252, XXVIII, 137; boundary, 133-135; on Apple Creek, XVII, 40; in Detroit, I, 25; Fort Ouiaatonon, 146; on Grave Creek, XIII, 52; in Illinois, I, 146; XXII, 200; Logstown (Pa.), I, 24, 27, 28, 76, 77, 127, 201, 257; Maryland, 95; Oklahoma, XXVIII, 141; Pennsylvania, I, 96, 97, 187, 200; Philadelphia, 264; on Allegheny River, 85, 247; Mississippi, IV, 284, XIII, 83, 86, XIV, 94; Missouri, XXII, 253; Ohio, I, 193, 264; St. Francis, XVII, 128; population, I, 168, 194, XX, 317, XXVII, 166, XXVIII, 121, 131; described, VIII, 287, XXVIII, 136, 137; characteristics, II, 108-110, IV, 285, XIII, 72, 73, XX, 79; language, II, 29; hills named for, XVI, 163; religion, XX, 286-288; manners and customs, I, 287, IV, 285, XIII, 126, XX, 304, 316, 317; chiefs, I, 31, 43, V, 227, XXVI, 165; council, XIII, 248; intertribal relations, I, 154, 155, 311; with Cherokee, 239, XVII, 19, XX, 316; Delawares, I, 37, 203, XIII, 72; Iroquois, I, 168, II, 42, 67, 68; with Quapaw, XXVIII, 133; Ute, XX, 84; relations with English, I, 42, 53, 74, 86, 147, 181, 313-319; with French, 54, 55, 85, 134; with Croghan, 12, 131, 134; Nuttall, XIII, 72; Post, I, 210; Weiser, 23, 43; raid settlements, 134; in French and Indian War, IV, 89; Dunmore's, XIV, 63; Revolution, XVIII, 30; missions for, II, 67, 68, IV, 90, XX, 287, 288, XXVII, 194; trade with, I, 49, V, 257; modern civilization, XX, 305, XXVIII, 137.
- Shawnee (Okla.), Indians near, XXVIII, 137.
- Shawnee Cabins (Pa.), Weiser at, I, 26.
- Shawnee County (Kans.), creek in, XIV, 184, XXX, 37.
- Shawnee Springs (Va.), frontier outpost, III, 49.
- Shawnee Towns, French in, I, 75, 76, 269; Croghan visits, 12, 137, 138.
- Shawneetown (Ill.), location, IV, 266, VIII, 291, X, 253, 261, 327, XI, 206, XXVI, 74; road to, X, 325, 329; natural objects near, 269, XVII, 233, 234, XXII, 202; salt manufacture at, XIV, 81; Indian relics, IV, 270, 271; as an entrepôt, IX, 250; land office, 186, X, 264, 266, 334, 343, 344; trade centre, IV, 271, XII, 257; prices, X, 243; post office, 351; English and Scotch in, 258; described, 46, 254-256, XIII, 70, 71, XIX, 43, XXII, 200, 201, XXVI, 68, 69; Flower in, X, 49; Hall, XXVI,

SHAWNEETOWN (continued)—

- 31; Long's expedition, XIV, 79, 80; Woods, X, 13, 243-245, 261-264, 311, 316; population, IV, 271, X, 254, XXII, 200.
- Shea, John G., *Ancient Florida*, XXVII, 44; *Washington's Journal*, I, 73.
- Shebaes, Indian chief, IV, 45.
- Sheco-Caiawko (tortoise-shell), Sauk chief, XXIV, 316.
- Sheed, Capt. —, commands "Factor," XII, 340.
- Sheep, size, XXII, 151; raised by pioneers, V, 280, 285, X, 284; by Indians, XX, 71, XXVIII, 122, 127, 190, 266, XXX, 237; with emigrants, IV, 62, XVIII, 80, XXX, 45, 258; fur-traders, 75; as stock, X, 263, XI, 137, XXVIII, 174, XXX, 113; care of, X, 227, XVIII, 160, XXII, 106, XXX, 290; fodder, X, 298, XIV, 75; pasturage, IV, 297, XII, 94, XIX, 299, XX, 249, XXX, 117; enemies of, III, 148, IX, 116, X, 288, XX, 210, XXX, 32; marked, X, 282, 283; herded, XI, 258; shepherds, V, 267, 268, XVIII, 154, 341, XIX, 324, XX, 142, XXX, 291, 292; methods, XIX, 322; wells, XVIII, 359; huts, 76; dress, XXIV, 156; scarcity of sheep, III, 137, IX, 265, X, 355, XI, 142, XXII, 185; abundance, XVIII, 340, XXII, 61; quality, IX, 51, X, 206, 227, 260, 283, XI, 52, XXII, 204; as food, IX, 30, X, 284, XI, 142, 183, XII, 17, 109, 320, XVIII, 224, XIX, 139, 324, XXI, 48, 80, 99, XXII, 106, XXIX, 66; mutton prices, V, 288, IX, 139, X, 284, 355, XI, 193, 256, XIX, 135; as a supply, 266, XX, 193, 205, XXI, 305; as wealth, XXX, 238; article of trade, VI, 227, XVIII, 349, XXVIII, 71, XXX, 294; prices, X, 74, XI, 119, 190, XII, 14, 15, XVIII, 227, XIX, 323, XXX, 219; exported, XIX, 323; exhibited, XII, 321; stolen, XI, 39, 204, XVIII, 83, 144, XX, 75; wool, IX, 140, X, 74, 141, 284, XI, 142, XII, 17, XIII, 58, XIX, 323, 339, XX, 89, XXIX, 94, XXX, 237, 291, 295; varieties, X, 283; English, XI, 222, XXIX, 62; merino, V, 315, 316, IX, 235, XI, 250, 255; in California, XVIII, 227, 275; Carolinas, III, 300; Hawaii, VI, 221; Illinois, X, 141, XI, 288, XII, 259, XXVII, 39; Indiana, X, 57, 241, 313, XXIV, 140; Kentucky, III, 245, 246; Louisiana, VI, 161; Maryland, X, 186; Mexico, XVIII, 145, 227; Mississippi, IV, 324, 346; New Mexico, XVIII, 340, 341, XIX, 252, 322-324; Ohio, XXIV, 156; Oregon, XXVIII, 359, XXX, 290, 291; Pennsylvania, XI, 106; South Africa, VIII, 22, 23; wild (*ovis ammon*), XIII, 262, XVIII, 375, XXIII, 172, XXIX, 229. See also Antelopes and Big horns.
- Sheffield (Mass.), emigration from, VIII, 42.
- Shehees Indians, Kalapuya tribe, VII, 230.
- Shehekè (Big White, Shahaka), Mandan chief, V, 151, 163, XIII, 138, XXIII, 224; village of, VI, 138; with Lewis and Clark, 137; in Washington, V, 156; visits Bradbury, 156; presents to, 162, 164; contempt of One Eye, VI, 140; sketch, V, 151, VI, 137.
- Shekomeko, Moravian mission, I, 177, 178.
- Shelby, Isaac, pioneer, III, 18; governor of Kentucky, 64; town named for, XI, 195, XXVI, 353.
- Shelby County (Ill.), boundary line, XXVI, 246; settlement, 354; seat, 352.
- Shelby County (Ind.), river in, XXX, 30.
- Shelbyville (Ill.), sulphur spring in, XXVI, 364; Flagg, 12, 338, 352.
- Shelbyville (Ky.), quality of soil, XI, 196; origin of name, 194, 195.
- Shell-fish, habitat, XXII, 192; abundant, XXI, 365; collected, XXII, 191.
- Shells, where found, XI, 264, XIV, 24, XXII, 155; in calcareous rock, XIII, 215; limestone, 219, XXI, 125; baceinum, XXVII, 306; bivalve (*unio*), XXII, 126, 170, 188, XXIV, 150; dentalium, XXII, 389, XXIII, 289; fossils, XIII, 243, XIV, 227, XVII, 218; fresh water, XXII, 80, 143; haiqua, VI, 326, 327; oyster, XII, 68, XXI, 367; pearl, XVI, 234; sea, X, 185, XIV, 118, XVIII, 225, XXI, 314, XXVI, 346, XXVII, 72, 214; (*cardium*), XXI, 367; (*ciitherea*), 367; (*fulgur*), XIV,

- 119; (*gryphaea corrugata*), XVII, 218; as ornaments, XX, 346, XXII, 359, XXIII, 19, 99, 100, 155, 258, XXVII, 172; *cornutus*, XIV, 119; mortar making, X, 191; pottery, XXII, 173, XXVII, 102, 103; as money, XVII, 169; collected, 93; described, XXII, 187.
- Shepard, Cyrus, missionary to Willamette, XXI, 138, XXVIII, 376, XXIX, 21; sketch, XXVIII, 376.
- Shepherd, —, in Liverpool, V, 197.
- Shepherd, Col. David, in West Virginia, III, 348.
- Shepherd, Moses, West Virginia pioneer, III, 348, IV, 235, 236; sketch, III, 348.
- Shepherd, Thomas, in English Prairie (Ill.), XI, 252.
- Shepherd, William Robert, *Cession of Louisiana to Spain*, XXVII, 78.
- Shepherd's Mill (W. Va.), Harris in, III, 348, 371.
- Shepherdsville (Ky.), road, III, 41, 65; A. Michaux in, 89, 90.
- Sheridan, Gen. Philip, war against Cheyenne Indians, V, 140; consults Bridger, XXVII, 299.
- Sheriff, —, on "Raccoon," VI, 300, 301.
- Sheriffs, character of, XI, 184; election, X, 322, 323; in Delaware, XII, 85; Ohio, 19; Virginia, 40; lands sold by, 17. See also Crime.
- She-she-quaninee (little gourd), Sauk chief, XXIV, 316.
- Shetlacane, Okinagan name for haiqua-shells, VII, 280.
- Sheva, —, Moravian minister, IV, 84.
- She-waps (She-whaps) Indians. See Shushwap.
- Shickalamy, Oneida chief, I, 188, 235.
- Shield, —, ferryman, XVII, 25.
- Shingas, Delaware chief, I, 26, 79, 80, 195, 243, 267, 287; in Kittanning, 85; Kuskusking, 199, 259, 276, 277; friend of Pisquetumen, 225; relations with English, 211-213, 217, 221, 222, 224; Post's message to, 260; in Pittsburg, 284; sketch, 80.
- Shingas's Old Town (King Beaver's, Sohkon), sketch, I, 26.
- Shingles, manufactured, IX, 163, XXII, 106 109; sold, 76, XXX, 219; cedar, XII, 162; poplar, 211; cottonwood, XIV, 136.
- Shinglimuhee, Post in, I, 190.
- Shinn, Charles Howard, *Pioneer Spanish Families in California*, XVIII, 291.
- Shippen, Edward, founds town, I, 238, IV, 50.
- Shippensburg (Pa.), described, IV, 50; road, I, 22, 290, III, 133, 147, 313, 319, IV, 49; population, III, 140, IV, 50; inhabitants rapacious, III, 195; travellers at, I, 82, 238, 290, III, 27, 140, 141, 147, 155, 319, 370, IV, 50, 53, IX, 67, XIII, 37; sketch, I, 238, III, 140, 143, IX, 64.
- Shippingsport (Ky.), on Ohio River, IV, 259, V, 301, XIV, 72, 73; falls near, XXI, 42; frogs and toads, XV, 324, 325; pasturage, XIV, 74, 95; graveyard near, XXVI, 51; trade centre, IV, 260; scarcity of provisions in, X, 245; illness, 256; river-port, VIII, 279, XIII, 67; steamboats, X, 45, XIV, 76; boat rates, X, 75; pilots, VIII, 279, XIV, 71; Bullock in, XIX, 132; Buttrick, VIII, 59; Cumming, IV, 261; Faux, XI, 197, 198; Nuttall, XIII, 67; Woods, X, 244; astronomical observations, XVII, 262; described, X, 43, XIX, 42; sketch, IV, 260. See also Louisville.
- Shirley, Gen. William, commands British forces, I, 83, 88.
- Shirleysburg (Pa.), sketch, I, 83.
- Shockay (Shockey) Indians, habitat, I, 168, 169.
- Shönbrunn (Ohio), founded, XXIV, 154.

Shoes. See Clothing.

Shonganega, Kansa chief, XIV, 177.

Shongatonga. See Big Horse.

Shongmuncuthe. See Ietan.

Shookany Indians, Kalapuya tribe, VII, 230.

Shooter (Wakeda), exploits, XV, 97, 98.

Shops. See Merchants, and Trades.

Short, J. T., *North Americans of Antiquity*, XX, 55.

Shortess, Robert, in Fort St. Vrain, XXVIII, 173; Fort Hall, 302; *First Emigrants to Oregon*, 45, 52.

Shoshoni (Snake) Indians, stock, XX, 247; branches, V, 227, XIV, 233, XXVII, 244, XXVIII, 212; tribes, XIV, 233, XVI, 233, XVIII, 130, 140, XXVII, 165; habitat, VI, 271, 338, XXI, 192, 352, XXVII, 165, 284, XXVIII, 229, 293, XXIX, 229, XXX, 87, 244, 246; boundary, VII, 135, XXVII, 168, XXVIII, 266, 317; migration, XXX, 247; trail, XXVIII, 228, 249; hunting grounds, 209; population, V, 227, XXVII, 163, XXIX, 98; probable extinction, 365; described, XVIII, 138, 139, XXI, 246, 253, 258, 261, XXIV, 295, 296, XXVII, 163-165, XXVIII, 261-264; characteristics, VII, 189, XVIII, 138, XXI, 258, 272, 302, 348; language, XXVIII, 267; dialect, XXIV, 208, XXVII, 387; vocabulary, XVII, 289, 299, XXIV, 295; sign language, 300, 301; nomenclature, XVI, 207, XXVIII, 303; lodges, XXI, 257, XXVIII, 316; food, VI, 340, XIV, 304, XXI, 258, XXVIII, 293; utensils, XXI, 258; dress, 252, 253, XXVIII, 316; customs, VII, 215, XXVIII, 253-257; fishing, XXI, 245, XXVIII, 316; intertribal relations, V, 163, VI, 118, XXIII, 278, XXVIII, 341, XXIX, 252; relations with whites, VII, 266, 269, XXVII, 244, XXVIII, 12; attack Spaniards, XVI, 55; as traders, XXI, 57, 83, 192, XXVIII, 252, 253, 316, 317; intermarriage with whites, XXVII, 299, XXX, 74; relations with Astorians, V, 227, 232-234, VI, 272, 343, VII, 11, 188, 194, 226, 239, 240, 256, 265, 270; Lewis and Clark, VI, 32, XXVIII, 272-274; Palmer, XXX, 85; Wyeth's expedition, XXI, 245-248, 251-256, 266, 267, 326; with missionaries, XXVII, 138, 141, 235, 392, XXVIII, 275, XXIX, 325.

Shot, manufacture of, XIV, 104; as equipment, I, 231, VII, 141, VIII, 103, XXII, 235; as present, 117; article of trade, I, 310, XI, 46, XXI, 57; bag, XV, 351, XVII, 99, XXI, 144; towers, XXVII, 93, 99.

Shotaharrora. See Coal Chief.

Shouse, —, freebooter, XXVI, 74.

Shovels, as utensils, XXVI, 332, XXX, 259; iron, X, 222; prices, XI, 241.

Shreve (Shreeves), Capt. Henry M., enterprise, XXVI, 57; genius, 93, 113; brother, XVII, 79; commands "Post Boy," XII, 280.

Shrike, Great American (*lanius borealis*), observed by Long, XV, 319.

Shrimps, Wood observes, X, 183.

Shudegacheh (Le Boucan, "smoker"), Ponca chief, XXII, 283, XXIII, 320; portrait, XXII, 283, 284; receives medal, 285; self-torture, 286.

Shuena Indians, relations with Pattie, XVIII, 136.

Shultz, Christian, Jr., *Inland Voyage*, XIX, 88-91.

Shumard, Dr. B. F., *Geological Section of Mississippi River*, XXVI, 263.

Shurtleff, Dr. Benjamin, donation to Shurtleff College, XXVI, 203, 204.

Shury, D. N., printer, III, 109.

Shushwap (Atnah, Shewaps, Shoowhapamooch) Indians, stock, XXIX, 182; tribes, XXVII, 370; popu-

- lation, VII, 159, XXIX, 278; as a boundary, 275; friendly to whites, VII, 159; Demers among, XXIX, 182; De Smet, 211; Ross, VII, 199; Stuart, 159, 200, 204, 206, 207, 239, 253; baptized, XXIX, 277; sketch, VII, 159.
- Shuster, —, cattle-man, XII, 321.
- Shwoyelpi (Shuyelpi, Shuyelphi, Skoyelpi, Wheelpo) Indians. See Chaudière.
- Shyeyetoga (Sciatoga) Indians. See Flatheads.
- Sibley, George C., V, 66, VI, 40; fur-trader, XVI, 95; commissioned, XIX, 197; Indian agent, V, 66, XIV, 172, XVI, 273, XX, 245; relations with Osage, 275; proposes plan, 279, 280; on Arkansas River, V, 190, 191, VI, 61, XIV, 23; journey to salines, VI, 153, XX, 246, 247; at Fort Clark, VI, 151; Fort Osage, 58, XX, 245; among Pawnee, VI, 61; reports, V, 191-194, XVI, 95, 273, XVII, 63, 64; town named for, XIV, 168; father, XVII, 68; cited, XVI, 274-280.
- Sibley, Dr. John, explorations, V, 242; Indian agent, XVII, 68; communication to War Department, XX, 129; on salt region, V, 243; in Natchitoches, 66, 194; letters from, XVII, 68; sketch, V, 66, XVII, 68.
- Sibley (Mo.), V, 60; site of Fort Osage, XIV, 168.
- Sicyos, angulata*, III, 29; *lobata*, 33.
- Sida, abutilon*, XIV, 75; *spinosa*, 75, XVI, 65; undescribed species, 65.
- Sidon (Turkey), latitude, XIII, 114.
- Sienite, observed by James, XV, 291; Nuttall, XIII, 52.
- Sifaghroano, Indian chief, I, 263.
- Siffleurs, abundant, XXIX, 93.
- Sign-posts, in Tennessee, III, 262.
- Sih-Chida (yellow feather), Blackfoot chief, XXIII, 256; member of dog band, XXIV, 74; in Fort Clark, 15, 43, 57, 81; paper from O'Fallon, 50; invocations of, 57; described, 15, 16.
- Sih-Sa (red feather), in charge of horses, XXIV, 17; illness, 18.
- Siksekai (Seksekai) Indians, meaning of name, XXIII, 95; Blackfoot tribe, 162, XXIX, 357; occupations, XXIII, 162; beggars, 163; treacherous, 96; hostile, 164; trade with Fort McKenzie, 153, 160-162.
- Silene*, III, 103; *baldwinii*, 103; *pennsylvanica*, 103; *virginica*, 53.
- Sillex, contained in sandstone, XVII, 198; location, III, 47, 82.
- Silk. See Cloth.
- Silk-tail bird. See Chatterer bird.
- Silliman, Benjamin, publisher, XIX, 32.
- Silliman's Journal*, XIII, 14, XIV, 40, 45, 154, XV, 167, 169, XVII, 48, 248, XIX, 32, XXI, 73, XXII, 156, 174.
- Silphium, connatum, perfoliatum, pinnatifidum*, and *trifoliatum*, III, 67.
- Silurian system, salt deposits in, XIV, 58.
- Silver, discovered, XVIII, 106, XXI, 30, XXVI, 95, XXVII, 92, XXVIII, 218, XXIX, 202; geological problems, V, 244, XIII, 152, XX, 183, XXVI, 252; mined, V, 248, VIII, 283, XII, 18, XIII, 150-152, XVII, 29, 30, 229, XVIII, 118, 119, 310, 344, 350, XIX, 65, 301, 303, 310, XX, 89, 180, 183, XXI, 38, XXVI, 104, XXVII, 42; ore — in Arkansas, V, 243, 244; on Western plains, XX, 243; stolen, XVIII, 279; scarce, VIII, 133; article of trade, 326, XIV, 310, XVII, 154, XX, 184, 185, XXVII, 81; bullion and coin, XIX, 272, XX, 89, 184, 190 (see also Money); use in the arts, V,

SILVER (continued)—

182, VIII, 33, 66, XI, 78, XIII, 125, XVIII, 379, XIX, 91, 143, 340, 341, XXIII, 127; value, VIII, 346, 347; taxes on, XVIII, 364.

Silver Creek hills (Ind.), described, IV, 259.

Silver Heels, Seneca chief, anecdote concerning, II, 202-204; death, 204.

Silver-smiths. See Trades.

Silver Springs (Pa.), Harris in, III, 370.

Simcoe, Gen. John G., in Detroit, VIII, 228; Canada, 166, 228.

Simeon, Flathead convert, XXVII, 231, 290, 291, 342.

Similkameen (Samilkamuigh) Indians, Okinagan tribe, VII, 275, 276.

Simmons, Col. Michael T., in Oregon, XXX, 224, 225.

Simms, Jephtha Root, *Frontiersmen of New York*, cited, I, 297.

Simpkins, —, in Illinois, XI, 252, 253.

Simpson, —, advice to emigrants, XI, 146.

Simpson, —, freebooter, XXVI, 74.

Simpson, Gen. —, home, IV, 38, 40.

Simpson, Alexander, in Fort Vancouver, XXIX, 63.

Simpson, G., *Journey around the World*, XXIX, 132, 199, 200, 216, 248.

Simpson, Sir George, relatives, XXIX, 63; transmontane expeditions, XXI, 344, XXIX, 132, 193, 215, 216; fort named for, 58; in sundry forts, XXVII, 235, 330, XXIX, 58, 63, 256; agreement with Russia, 100; wife, VI, 384; sketch, XXIX, 132; aided by Berland, 199; with Rowand, 247.

Simpson, Lieut. James H., report, XX, 141; surveys road, XVI, 191; on Dry River, 130.

Simpson, Joel, in Washington (D. C.), XII, 95.

Simpson, Robert, in New Hampshire, IV, 202.

Simpson, Squire, in Georgetown (D. C.), XI, 136, 140, 145, 149; Washington (D. C.), XII, 56, 57.

Simpson, Thomas, Arctic explorer, XXIX, 63.

Sinclair, Capt. —, at Fort Ligonier, I, 285.

Sinclair, Capt. Patrick, builds fort, II, 177, VIII, 227; in Revolution, II, 185; sketch, VIII, 227.

Sing Sing (N. Y.), house of correction, XXIV, 191, XXVIII, 14.

Singing Bird. See Asshawequa.

Sink-holes, numerous, XIV, 110, 111; springs from, XXVI, 163; in Illinois, 212; on Mississippi River, 260; Missouri, V, 246; described, 246, 247, XIV, 111, XXVI, 212, 213, XXVII, 104.

Sinking Springs (Ohio), Heistant in, IV, 209.

Sinnott, —, Indian deputy-agent, I, 148.

Sinpoil (Sinphellechach) Indians. See Sanpoil.

Sinter, calcareous, mounds of, XXI, 200.

Sinwhoyelpetook Indians, Okinagan tribe, VII, 275.

Siouan (Dakota, La Sue), linguistic stock, V, 50, 56, 67, 86, 90, 114, 226, XIII, 117, XIV, 233, XV, 56, 57, XVII, 68, XX, 251, 337, XXII, 253, XXIV, 280; classified, XX, 297, XXIV, 223.

Sioux (Dakota) Indians: importance of, XX, 337; tribal divisions, II, 168, 186, V, 49, 90, 103, 104, 222, VI, 66, XIV, 275, XXII, 278, 279, 305, 342, 371, 387, XXIII, 94, 97, XXVII, 150, XXVIII,

153; habitat, VI, 105, 109, XV, 180, XXII, 305, 330, 342, XXIV, 93, 101, XXIX, 230, 370, XXX, 60; wanderers, VI, 128; territory of, V, 225, XVI, 50, XXII, 15, XXVII, 43, XXVIII, 155, 209; as a boundary, XV, 141, XXII, 278, 302; population, V, 90, XXII, 304, XXIII, 253, 255, XXIV, 296, XXVIII, 154; prospects for, XXIX, 365; described, II, 97, XIV, 264, XXII, 304-311, 321-327; physical characteristics, V, 109, 115, VI, 98, XXII, 221, 308, 346, 388, XXIII, 20, 255, XXIV, 91; mental, XIV, 305, XV, 215, XXIII, 111, 192, XXVII, 211, XXVIII, 142, 237, XXIX, 396; language, XXII, 393, XXIII, 14, 97, XXIX, 224; interpreters, XXIV, 11; dialect, 208, 209, 221, 223; vocabulary, XIV, 18, XXII, 32, XXIV, 223-226; nomenclature, XXIII, 253, XXVII, 224; sign-language, XXIV, 300-302; religion, V, 109, 177, XIII, 340, 344, XXIII, 380; superstitions, VI, 109, XV, 60, XXII, 391; legends, XX, 297, XXIII, 361, 362, XXVI, 291, 292; village inundated, XXIII, 237; tents described, VI, 89, XXII, 308, 318, 349, XXIII, 104; pictured, XXII, 319; number of, 328, XXIII, 230, XXX, 60; food, XXVIII, 154, 155; occupations, XXII, 278, 300, XXIV, 94; dogs used, XX, 327; dress, XXII, 321, XXIII, 232, 262; head-dress, XXII, 307, 388; hair-dressing, VI, 98; ornaments, XXIII, 265, XXIV, 52; treatment of women, V, 109, XIV, 267; cradles, XXIII, 281; pipes, XXII, 321, 322, 352, 399, XXIII, 107; portrayed, XXII, 323; horse-stealing, XXIV, 47, XXVII, 180; other customs, V, 65, 105-108, VII, 210, XIV, 209, XX, 339, XXII, 306, 310, XXIII, 227, 360; chiefs, II, 188, XXX, 58, 59; war-parties, V, 103-109, 136, XV, 16, 39, XXVIII, 239, 247, 290; weapons, XXII, 308, 389; diseases and remedies, XIV, 275, XV, 19, XXII, 327; burial customs, V, 90, VI, 76, 89, XXII, 281, 303, 310, 311, 327, 350, 354, 393, XXIV, 92, XXVII, 188; burial stage portrayed, XXII, 347.

Intertribal relations: VI, 65, XIV, 232, 233, XIX, 228, XXII, 271, XXIII, 223, 224, 228, XXVII, 398, XXIX, 239; with Arikara, V, 114, VI, 117, 142, 166, XXII, 303, XXIII, 394, XXVII, 185; Assiniboin, XXVIII, 156, XXIX, 224; Cheyenne, V, 139, XXIV, 221, XXVII, 161, 243; Chippewa, II, 113, VI, 385; Cree, XXVIII, 152; Crows, V, 226, XXII, 353; Flatheads, XXVII, 181, 230, 323; Mandan, XXII, 343-346, XXIII, 230, 253, 274, 301, 317, 318, 353, XXIV, 21; Minitaree, XXIII, 230-233, 383, XXIV, 21, 29; Missouri, XXVI, 291; Omaha, XIV, 268, XV, 39, 91, XXII, 277; Osage, V, 49, XXVIII, 132; Oto, V, 80, 92, XVII, 151; Pawnee, 154, XXII, 326, XXVII, 209, 210, XXIX, 383, 389-398; Ponca, XXII, 285, XXVIII, 147; Seneca, 131; Shoshoni, 262, XXX, 87.

Relations to whites: V, 111, 112, VI, 89, XXII, 306, XXIV, 89, 90; hostility of, V, 91, 93, 96-98, 103, 104, 114, 117, 119, 135, 138, 142, 145, 172, 180, 184, 185, 187, VI, 10, 31, 64, 65, 83, 84, 94, 97-99, XIII, 138, XV, 29, 99, 143, 157, XIX, 173, XXII, 333, 341, XXIII, 38, 229, XXVII, 147, XXVIII, 179, 229, 236, 240, 241, 277; depredations, XXII, 284, XXVIII, 151, 153; expedition against, V, 132; massacres by, 76, VI, 383, XXII, 301; capture fort, XXIX, 233; Hennepin, XXVII, 38; expedition against St. Louis, XXVI, 149; aid British, II, 185; in Arikara campaign, XXIII, 224; war with United States, XXII, 315; treaty with, XXIV, 315, 316, XXVIII, 152; agents among, XIV, 314, XXVII, 136; agency, XXII, 301, XXIV, 94; trading-posts, V, 157, VI, 28, 29, XXII, 151, XXIII, 224, XXVII, 153; traders, VI, 65, XIV, 284, XXIV, 16; in Fort Clark, 13; Lookout, XXII, 303; missions among, XXVII, 189, 192, 284, XXIX, 234, 369, 370; Pierre, XXIV, 92, 94; observe steamboat, XIV, 263, 264; Bean among, XXII, 235; Brackenridge, VI, 83; Bradbury, V, 93; Gregg meets, XIX, 221; Hunt, VI, 31, 45; Maximilian, XXIV, 88; Palmer, XXX, 58-60; Piccott, XXIV, 16; portraits, XXII, 321, 323, XXIV, 59, XXV, 30, 41, 42, 44. See also Teton, Yankton, etc.

Sioux City (Iowa), Floyd's burial near, V, 91; river near, XV, 91; early settlers, XXIX, 367, 369.

Sipuska-Mihte, Mandan village, XXIII, 253.

Sipuske-Numangkake Indians, origin of name, XXIII, 253.

Siren, characteristics, XIV, 45, 46; *opercule* and *piscoformis*, 46.

Siscomb, Will, Wyandot Indian, VIII, 204.

Siskiyou County (Cal.), mountain in, XXIX, 35; Meek, XXX, 40.

Sison bulbosum, observed by Long, XIV, 61.

Sistersville (Ohio), Maximilian in, XXII, 148.

Sistersville (W. Va.), Indian mounds near, XIII, 53; Woods in, X, 223.

Sitka (Chitka, Alaska), site, XXIX, 32; built by Baranoff, VI, 286; Russians in, 257, XXIX, 60, 96; trading-post, VI, 258, XXIX, 53; commerce with Oregon, VI, 286; Halsey in, 406; "Beaver" at, VII, 234; "Pedlar," VI, 406; sketch, VII, 234.

Sium latifolium, observed by James, XV, 281.

Six Nations. See Iroquois.

Skagit (Skadjat) Indians, Bolduc among, XXIX, 152-154; population (1845), 153; (1900), 153; sketch, 153.

Skallam (Khalam) Indians. See Clallam.

Skalzi Indians. See Kutenai.

Skamania County (Wash.), river in, XXX, 224; Cape Horn, XXI, 346.

Skamoynumachs Indians, Okinagan tribe, VII, 275, 276; friendly to whites, 144.

Skeeree Indians, war party, XV, 253.

Skenandoah (Skenando), Oneida chief, XXIV, 185, 186.

Skidi Indians, human sacrifice among, XXVII, 210, 211. See also Pawnee Loups.

Skilloot (Kreluit) Indians, fur-traders among, VI, 245; war with Cowlitz, 245; friendly to Astorians, 243, 244, 263; with Franchère, 263, 265.

Skinner, —, tavern-keeper, IV, 53, 54.

Skinner, Lieut. —, on "Franklin," XII, 86.

Skipton (Ind.), founded, X, 207.

Skitswish (Skeetsomish) Indians, tribal name for Cœur d'Alène, XXVII, 282.

Skommaltsquisses, Indian name for good spirit, VII, 151.

Skookoom (strong), Indian chief, XXI, 360.

Skunks (*mephitis*), hunted, XVI, 231, XXIII, 170, 183; how hunted, XXII, 82; as food, XIV, 265, XVI, 250, XX, 333, 334; not eaten by Indians, II, 77; as pets, XXII, 82; described, V, 53, XXIV, 97; *americana*, XXII, 82; *putorius*, XV, 317; *viverra*, V, 53.

Skwally, Bolduc in, XXIX, 155.

Slate, strata, IV, 102, XXVIII, 237, 281; observed, X, 208, XIII, 40, XVII, 57, XX, 242, XXII, 90, XXIX, 86; on Arkansas River, XIII, 148; New Lebanon Mountains, XVII, 248; in Ohio, IV, 214; Pennsylvania, III, 329; Tennessee, 63; Virginia, 47, IV, 142; bituminous, III, 65; chlorite, XIII, 37, 151, XVII, 254; friable, XIII, 43, XXI, 243, XXVI, 50; siliceous, XVII, 249; slate-clay, X, 273, 274, XIII, 36-38, 150, 173, 202, 211, 243, XVII, 234; slate-rock, X, 215, 341; composition, XVII, 228.

Slater, —, in Baltimore, X, 188, 189; trader, 192.

Slave Indians, habitat, XXIX, 232; in Fort Vermillion, VI, 370.

Slavery. See Negroes.

Slocum, Rev. Samuel, in Illinois, X, 257, 258, 264, 286, 311.

Sloo, —, land-office agent, X, 264.

Slover, —, Arkansas pioneer, XIII, 242, 244.

Slover, Isaac, with Pattie, XVIII, 216, 263; rescued from famine, 216-219.

- Slug worms, depredations of, XXI, 28.
- Smallwood, Samuel N., in Washington (D. C.), XII, 97.
- Smelt (shrew), abundant, XXIX, 93.
- Smilax (Fr: squine), III, 79; abundant, XVI, 189; observed, V, 55; prickly, XXII, 104; (*cissus*), XVI, 161; (*herbacea erecta*), III, 53; (*pseudochina*), 75; (*sarsaparilla*), 79.
- Smith, —, botanist, III, 135.
- Smith, —, farmer, IV, 166.
- Smith, —, ferryman, IV, 35, 346.
- Smith, —, landlord, XI, 55.
- Smith, —, in Mississippi, IV, 312, 313.
- Smith, —, in Ohio, IV, 107, 127.
- Smith, —, pedestrian traveller, XII, 54.
- Smith, Capt. —, English officer, II, 31.
- Smith, Capt. —, Oregon emigrant, XXX, 55.
- Smith, Col. —, mine-owner, V, 253.
- Smith, Dr. —, in Kentucky, III, 89.
- Smith, Lieut. —, criminal, XII, 85, 86.
- Smith, Maj. —, Englishman, XII, 114.
- Smith, Adam, economist, cited, XXVII, 49.
- Smith, Alvin T., Oregon missionary, XXX, 168.
- Smith, Rev. Asa B., Oregon missionary, XXVIII, 342, XXIX, 95, 96.
- Smith, Bennet, in North Carolina, III, 55, 101.
- Smith, Gen. Daniel, Tennessee pioneer, III, 18, 62, 255; sketch, 256.
- Smith, Daniel W., consul at Matamoras, XVIII, 364.
- Smith, Fabritius R., Oregon pioneer, XXX, 251.
- Smith, Helen (Celiast), Indian woman, XX, 197.
- Smith, Hiram, Oregon emigrant, XXX, 249, 250, 255.
- Smith, Sir James Edward, scientist, XIV, 70, XVI, 185.
- Smith, Jane, names town, XXVII, 23.
- Smith, Jedediah S., fur-trader, XXII, 250; explorations, XXI, 314, 329, XXVIII, 9, 113; Indian troubles, XXX, 192; murdered, XIX, 236-239, XXI, 192; sketch, XIX, 237, 238.
- Smith, John, founds town, XXIV, 152.
- Smith, Capt. John, discoverer, XI, 157, XXVI, 234.
- Smith, Joseph, Mormon founder, XX, 96, XXVI, 256-259, 334, 336, XXVIII, 47-52, XXIX, 372; assassinated, XX, 99, XXVI, 358.
- Smith, Joseph III (Mormon), founds branch church, XX, 99, 100.
- Smith, Margaret, Oregon missionary, XXI, 329, XXIX, 19.
- Smith, Samuel, founds town, XXVII, 23.
- Smith, Sidney W., with Farnham, XXVIII, 90, 277; wounded, 90-100, 103; hunting, 244; character, 101, 219, 220, 300, 328; in Oregon, XXX, 169; sketch, XXVIII, 91.
- Smith, Silas B., narrates Indian traditions, XXI, 73, XXX, 197.

Smith, Simeon, Oregon emigrant, XXX, 151.

Smith, Solomon Howard, with Wyeth, XXI, 73; at Clatsop Plains, XXIX, 159, XXX, 193; aids mission, XXVII, 388; sketch, XXI, 73.

Smith, Gen. Thomas A., in Franklin, XIV, 151; town named for, 146; commands troops, 152; orders, XVI, 187; report to, XVII, 180; sketch, XIV, 151.

Smith, W. H., *History of Indiana*, XXII, 178.

Smith, Capt. William, commands "Albatross," VI, 285, 292, VII, 236; explores Columbia, VI, 287; sketch, 287.

Smithfield (Pa.), described, X, 212.

Smithland (Ky.), described, VIII, 281, XIV, 83, XIX, 42, 43, XXII, 203; population, IV, 275, VIII, 281; steamers pass, XIV, 18, XXIV, 132; Cumming at, IV, 275; Gordon, XIV, 37; Jessup, XVII, 93; Long, 183.

Smithsonian Institution, in Washington (D. C.), XIII, 140; interest in Bad Lands, XXIV, 91; *Contributions*, XIV, 68, XXVI, 184; *Report*, III, 362, IV, 116, V, 86, 90, 160, VI, 125, 146, XIII, 256, XIV, 209, XV, 41, XIX, 336, XXII, 18, 283, XXIII, 324, 367, XXIV, 126, 128, XXVI, 69.

Smithton (Mo.), location, XIV, 146; renamed, XXI, 133.

Smithtown (Ohio), Cumming at, IV, 231.

Smoke Maker, Ponca chief, XVII, 152.

Smugglers. See Crime.

Smyrnium aureum, on Meramec River, XIV, 107.

Snails, numerous, XXII, 188; as food, XXVIII, 249; shells as ornaments, XVIII, 201.

Snake Indians. See Shoshoni.

Snake Country (Pays Serpent), salt in, XXIX, 229.

Snake-head (*chelone obliqua*), abundant, XXII, 114.

Snake-root, IV, 123, X, 303; *aristolochia serpentaria*, XXII, 95; *galardia bicolor*, XXIII, 194.

Snakes (serpents), habitat, XXIV, 157, XXVII, 178; abundant, VIII, 349, XXIII, 250; estimation by Indians, XIII, 125, XIV, 118, XXII, 391, XXIII, 337-339, XXVI, 77; as food, XXIII, 277; remedy for bite, XXII, 95, XXIV, 96; among prairie-dogs, XVI, 223; skeletons, XXIII, 203; petrified, 61; preserved in whiskey, XXI, 325; picture of, XXVII, 131; *androcotomus biaculeatus* (scorpion), XX, 165, 166, XXVI, 77; adders, red, XXII, 169, XXIV, 121; black, X, 290, XIII, 216, XIX, 150, XXII, 263, XXIV, 153, 154; black water-snake, II, 198, 199; bull, XIV, 214; *chirotas*, XV, 259; *coluber constrictor* (racer), XIV, 215, 324 XVI, 39; *c. eximus*, XXII, 299, XXIII, 64, 250; *c. flaviventris*, XIV, 271, 272, XXII, 365; *c. heterodon* (hognose), XV, 324, XXII, 169; *c. obsoletus*, XIV, 214, 215; *c. ordinatus*, 273, XV, 324; *c. oviivulus*, XIV, 215; *c. parietalis*, 272, 273; *c. proximus*, 273, XXIII, 200, 250; *c. saurita*, XIV, 273; *c. sirtalis* (three-striped), XXII, 83, 90, 104, 365; *c. testaceus*, XVI, 39; copperhead, IV, 154, X, 290, XXII, 169; garter, X, 290, XXVIII, 222; horn, XXII, 169; *ophisaurus ventralis*, XVI, 254, XXII, 169; pine, XIV, 214; rattlesnakes (*crotalus horridus*), I, 322, II, 187, 188, 197-199, III, 146, IV, 154, 155, V, 70, 140, VI, 103, 339, VII, 144, 145, VIII, 78, IX, 78, 314, X, 290, 342, XI, 86, 228, 237, 267, XII, 72, XIV, 183, XV, 138, 139, 260, 278, 279, 324, XVI, 40, 89, 222, 261, XIX, 150, 215, 328, XX, 281, XXI, 52, 175, 186, 347, XXII, 98, 99, 101, 104, 111, 169, 222, 263, 273, 275, 292, 353, XXIII, 28-30, 35, 53, 62, 64, 83, 250, 328, 337, 360, XXVII, 258, 263, XXVIII, 222, XXX, 51; sea, X, 183, XXII, 40; turkey, II, 198; viper, XI, 228; water, V, 72, X, 290, XIII, 265, XXII, 92, 97, XXIV, 154, 178; water-moccasins, XI, 86, 89, XIII, 216, XIX, 211; yellow-striped, XXIV, 153; on Alleghany Mountains, XII, 192; observed by travellers, V, 69, XIX, 328, XXII, 295.

- Snipes, habitat, X, 239, 291; note, XXIII, 210; abundant, XII, 171; hunted, XXIX, 257; eaten, XXVII, 400; yellow shanked (*scolopax flavipes*), XV, 323, XVI, 146; wood, XXII, 196; (*macrorhampus griseus* and *scolopaceus*), VI, 68.
- Snively, Col. —, highway robber, XX, 229; Warfield joins, 230; on Arkansas River, 233; Cooke captures, 234; in Independence, 235.
- Snodgrass, —, minister, IV, 107.
- Snow-balls (flowers), habitat, XXVIII, 325; as amulet, XXIII, 342.
- Snow bird (*fringilla hudsonica*), observed by Long, XV, 321, 326; numerous, VII, 54; habitat, XXIV, 102, XXIX, 51.
- Snow bunting (*emberiza nivalis*), observed by Maximilian, XXIV, 17, 23, 56; habitat, 36; numerous, 71.
- Snyder, Simon, governor of Pennsylvania, IV, 66.
- Soap, as supply, V, 299, XII, 158; manufactured, X, 81, 341, XI, 229, XVIII, 151; from Adam's needle, XXVII, 255; palmilla, XIX, 298; scarcity of, XI, 213; article of trade, XXIX, 60; prices, XII, 169; as a remedy, XV, 20, XXX, 49; Indians carry, XXVIII, 332.
- Soap-berry (*sapindus saponaria*), described by Nuttall, XIII, 149.
- Soap-plant (*chlorogalum pomeridianum*), described, XIX, 298.
- Soapstone, observed by Woods, X, 274.
- Socinianists, in Illinois, X, 144.
- Socinus, Faustus, founder of Socinianism, X, 144.
- Socorro (N. Mex.), location, XX, 151; river in, XVIII, 159; Apache, XX, 82; Pattie, XVIII, 13, 86; population (1905), 86; sketch, 86.
- Socorro County (N. Mex.), salines in, XIX, 311; ruins, 301; seat, XVIII, 86.
- Soda, water impregnated with, XVI, 33, 71, XVII, 204, XXVIII, 296, XXIX, 51, XXX, 80, 81, 90; muriate of, XX, 247; abundant, XVIII, 340, XXVI, 69; in sandstone, XVI, 137, XVII, 202, 215; observed, XIII, 280, XXI, 157; sulphate, XVI, 34, XX, 247, XXI, 157.
- Soda Pool, Oregon trail, XXX, 280.
- Soda springs. See Springs: Soda.
- SOILS: primary, XVII, 241; color, XXVIII, 185; rock formations, X, 276, XV, 216, XVII, 194, 209, XXVI, 70, XXVII, 108; sterile, XVII, 135, 136, 214, XXVIII, 187; adapted to agriculture, XVI, 135, XVII, 110, 111, XXX, 167; attract settlers, IX, 288, XIX, 80, 81; saline, XVI, 120, XVIII, 118; alluvial, IV, 124, V, 261, 262, 311, XVII, 235, XIX, 195; pastures, III, 218; near lead mines, XVII, 41, 225; timbered, I, 140, 151, 246, 258, III, 229, 303, IV, 301, VI, 50, 155, 157, IX, 285, 306; indicated by vegetation, XI, 90, XVI, 151, 160, XVII, 62, 223; savannas, I, 124; plains and prairies, VI, 345, 346, 370, XX, 239, 248-250, XXVIII, 108, 109; comparisons, VIII, 144, IX, 12, 269, XI, 138, 139, XII, 58, XIII, 107, XIX, 110, XXII, 73, XXX, 115.
- Localities:* Alleghany Mountains, V, 273, 275, IX, 76, 78, X, 211; Allegheny River, III, 162, VIII, 51, 52, 245; American Bottom, XXVI, 94, 103, 181, 255, XXVII, 106, 108, 109; Antelope Plain, XVIII, 106; Arkansas, IV, 297, 298, 300, XIII, 107, 130, 167, 328, 329, XVI, 191, XVII, 31, 55, 57, 81, 129, XIX, 64; Arkansas Post, XIII, 293; Arkansas River, IX, 188, XIII, 100, 102, 104, 111, 129, 135-137, 141, 142, 144-147, 165, 166, 168, 170, 174, 228, 229, 231, 252, 271, 288, XIV, 173, XVI, 35, 36, 44, 52, 54, 65, 76, 78, 79, 229-231, 241, 256, 258, 281, XVII, 28, 29, 35, 42, 43, 54, XVIII, 332, 333, XIX, 209, XX, 100, XXVIII, 104, 184, 185, 187; Bavispe River, XVIII, 147; Bear River, XXI, 200, XXX, 76, 79; Bellevue, XXII, 266; Big Broth River, XVII, 69; Big Grave, IX, 107; Bitterroot valley, XXIX, 322; Black Hills, XXI, 182; Blue Earth Creek, XIV, 200; Blue Mountains, XXII, 102, XXVIII, 329, 330;

SOILS: *Localities* (continued)—

Boyer Creek, XV, 138, 139; British Columbia, XXVII, 372; Cadron Creek, XIII, 161; California, XVIII, 284, 306, XXX, 89; Canada, IX, 326, 329; Canadian River, XVI, 127, 142, 152, 156, 158, 160, 162, 170, 174, XVII, 142, XX, 217, 218; Cape Henry, X, 185; Cape Lookout (Oregon), XXX, 194, 195; Carolinas, III, 297; Cascade Mountains, XXX, 153-155; Cedar Island, VI, 95; Chariton River, XIV, 159; Chaquaqua Creek, XVI, 71; Cimarron River, XIII, 272, XVI, 79, 80; Clark's Fork, XVIII, 142; Cœur d'Alène Lake, XXVII, 366; Colorado River, XVIII, 193, XXVIII, 248; Columbia River, VI, 318, 319, 338, VII, 114, XXI, 25, 100, XXVIII, 349, 350, 375, 376, 378, XXIX, 36, 39, 209, 273, XXX, 207, 211; Connecticut River, VIII, 109; Council Grove Creek, XIX, 196; Côte sans Dessein, XIV, 138; Cross Timbers, XX, 256; Deer Lodge valley, XXVII, 254; Delaware River, XII, 97; District of Columbia, XI, 112, XII, 57, 103, 328; Elkhorn River, XIV, 269, XV, 196; Encinillas valley, XX, 160; Florida, III, 12, IV, 337; Fort Hall, XXVIII, 310; Fort Leavenworth, XXIV, 114; Fort Meigs, VIII, 206; Fort Vancouver, XXX, 210; Fort Walla Walla, XXI, 281, XXVIII, 347; Fort William, XXI, 320; Fraser's River, XXIX, 44, XXX, 295; French Creek, XIV, 56; French Prairie, XXX, 180, 181; Full Creek, XIV, 183, 184; Gila River, XVIII, 96, 103; Grand Prairie, XV, 177, XXVI, 340, 343; Grand River, XIII, 242, 252, XIV, 160, XV, 178, 179, XVI, 191; Grande Ronde, XXI, 271, XXX, 105; Grasshopper Creek, XIV, 210; Great Bear River, XXVIII, 288, 289, 294; Green River, XXI, 190, XXX, 73; Great Deserts, XVII, 193, XXVII, 158; Grosse Island, VIII, 239; Ham's Fork, XXI, 197; Illinois, I, 143, 145, 149, III, 68, 72, IV, 275, 278, VIII, 291, 292, IX, 71, 186, 187, X, 69, 154, 256-260, 262, 273, 309, 310, 318, 320, 321, 328, 329, 341, 349, XI, 192, 239, 248, 252, 265, 279, 280, XII, 211, XIV, 85, XIX, 43, 44, 54-56, 59-61, XXVI, 118, 134, 225, 226, 233, 245, 302, 306, 320, XXVII, 23, 44, 48, 68, 94; Independence Creek, XXII, 256; Indian Territory, XIII, 219, XXVIII, 119; Indiana, IV, 262, 265, VIII, 283, 284, IX, 186, 250, 251, 255, 281, X, 42, 47, 48, 53, 69, 241, 248, XI, 199, 203, 211, 234, 236, 248, 283, 295, XII, 12, 230, 235, 262, 265, XIX, 42, 65, 67-69, XXII, 171, XXIV, 134, 136, 140; Juniata River, IX, 72; Kaministiquia River, VI, 386; Kansas, XXX, 45; Kansas River, XIV, 212, XVII, 139, XXVIII, 74, 78; Kentucky, III, 35-37, 45, 65, 90, 92, 97, 176, 197, 199, 200, 202, 208-210, 212-215, 218, 221-223, 228-230, 237, 240, 297, IV, 12, 145, 176, 179, 180, 189, 191, 197, 258, V, 51, VIII, 141, 275, 284, IX, 128, 131, 146, 284, X, 64, 65, 67, 68, 233, XI, 187, 188, 193, 196, XII, 218, XIII, 60, XIV, 64, 65, 73, XIX, 101, 102; Lake Erie, VIII, 185, 186, 240; Lake Superior, 234, 235; Little Bear River, XXVIII, 243, 245; Little Missouri River, XVII, 53; Little Sandy River, XXX, 71; Long Town valley, 177; Loup River, XV, 221; Louisiana, IV, 308, 309, 322, V, 25, 271, VI, 155, 156, XIX, 127, XXVII, 49; Lower California, XVIII, 227; Malade River, XXI, 246; Mamelle Prairie, XXVI, 275, 276; Maryland, X, 186, 189, 190, 198, 199, XI, 116, 126, 149, 154, 155, 176, XII, 288; Massachusetts, XXI, 26; Mexico, XVIII, 145, 149, 153, 156, 309, 361, 375, XX, 157, 161, 170; Michigan, I, 152, VI, 395, VIII, 215, 219, 220, 233, IX, 188; Mississippi, III, 168, 254, IV, 307, 312, 313, 315-317, 320, 322, 326, 327, 346, 350, 351, 356, 358, VIII, 312, 313, 315, XVII, 110; Mississippi River, IV, 295, 309, VIII, 300, 302, 348, XIII, 76, 90, 308, 311, XIV, 49, 98, 102, XV, 166, 167, XVI, 132, XVII, 92, 113, 114, 117, 119, 125, XIX, 120, 121, XXVI, 109; Missouri, V, 255, 260, 264, 266, 267, VIII, 308, IX, 130, 187, XI, 147, XII, 13, XIII, 77, 78, XIV, 101, 132, 149, 170, XV, 166, 167, 173, XVII, 86, 87, XXI, 125, 126, XXVI, 278, 290; Missouri River, III, 192, V, 67, 70, 71, 94, 146, 155, 185, 193, VI, 27, 44-46, 48, 50, 52, 53, 68-71, 73-76, 78, 79, 86, 91, 102, 109, 111, 136, 137, 140, 147, 148, XIV, 143, 149, 156, 159, 160, 170, 213, XV, 166, 167, 178, XVII, 35, 117, XVIII, 11, XIX, 209, XXI, 26, 135, XXII, 261, 262, 272, 293, 302, 331, XXIII, 26, 38, 240, 241, XXIV, 120, XXX, 31, 33; Mouse River, 176; Muddy River, XXVI, 88; Mulberry Creek, XIII, 195; New Mexico, XVIII, 73, 337, 341, 348, XIX, 285, XX, 153; New Hampshire, VIII, 109; New Jersey, III, 127, IX, 50, 51, XXII, 161; New York, IV, 96, VIII, 117, 179, 180, 193, IX, 28, 38, 49, XII, 76, 77; Niagara River, VIII, 178-180, IX, 317; Nodaway River, XIV, 181; North Carolina, III, 100, 286, 288, 291, 293; Ohio, I, 133, 134, 140, 321, III, 178, 184, 186, 188, 190, IV, 103, 114, 116, 118, 120, 122, 124, 131,

132, 140, 142, 149, 150, 168, 201, 203, 208-210, 214-217, 219-221, 224, 227, 228, 231, V, 294, VIII, 78, 187, 194, 195, 199, 208, 255, 264, 268, 285, IX, 116, 118, 122, 126, 127, 186, 278, 279, 300, 304, 305, 307, 308, 310, X, 41, 69-71, 223, 224, 234, XI, 154, 168, 169, 177, 179, 182, 183, 185, 186, 295, XII, 18, 205, 213, XIII, 54, XIV, 66, XVII, 95, XIX, 33, 76, 77, 80, 81, 137, XXI, 26, XXII, 152, 162, 165, 182, XXIV, 147, XXVI, 66; Ohio valley, I, 127, 129, 131, 133-136, III, 81, 175, IV, 118, 142, 165, 167, 173, 174, 256, IX, 101, X, 222-224, 227, XIII, 51, 54, 55, 63, 66, XIV, 62, 88, XVII, 95, 106, 108, 112, 113, XXVI, 54; Okanagan River, XXIX, 37; Oregon, VI, 401, XXI, 299, 301, 319, XXVIII, 334, XXIX, 45-48, 50, 86-89, 91, 92, 95, 102, 120, 121, 166, 185, XXX, 110, 112, 162, 167, 170, 172, 180, 182, 183, 186, 190, 193, 232, 283-285, 297; Osage River, VI, 46, XIV, 145, XXVIII, 58; Otter Creek, VIII, 209; Ozark Mountains, XVII, 29, 190, 236; Pawnee Fork, XXVIII, 93; Pecannerie settlement, XIII, 281; Rio Pecos, XIX, 252; Pennsylvania, I, 285, III, 30, 134, 142, 143, 147, 148, 152, 153, 156, 162, 325, 328, 329, 334, 339, 345, 369, IV, 30, 49, 57, 73, 74, 93, 241, 249, VIII, 54, IX, 65, 66, 69, 75, 78-80, 183, 184, X, 35, 36, 213, 215, XI, 163, XII, 93, 94, 100, 196, 197, 201, 202, 322, 336, XIII, 35-40, 42-44, XIV, 55, XXII, 77, 128; Pike Island, IV, 111; Platte River, XIV, 170, XV, 224, 232, 250, XVII, 35, 136, 137, 192, 215, XXI, 26, 157, 175, 178, XXVII, 220, XXX, 65; Portneuf River, XXI, 10; Poteau River, XIII, 200; Potomac River, XII, 95; Powder River, XXX, 104; Rainy River, VI, 383; Raisin River, VIII, 210, 214; Raritan Bay, IX, 49; Red River, XVII, 62, 63, 76, 78, 89, 124, 136, 215, 221; Redbank Island, IV, 267; Rio del Norte, XVIII, 156, XIX, 284, XX, 151; Rocky Mountains, XVI, 30, 31, 59, 60, XVII, 35, 149; St. Clair River, VIII, 228, XVII, 39, XVIII, 90, XXIX, 307; St. Francis River, XVII, 86; Saline Forks, 58; Sandwich Islands, VII, 60; Santiam River, XXX, 185; Scioto River, I, 133, 134, III, 186, IX, 126, X, 70; Short Mountain Bayou and Creek, XVII, 16; Snake River, XXI, 231, 265, XXVIII, 310, 313-315, 323, 324, XXX, 246; South Carolina, III, 118, 121, 122, 295, 296; Southeastern states, 301-304; Spadra Creek, XIII, 194; Spokane River, XXVII, 367; Spring River, XVII, 35; Strawberry River, 35; Susquehanna River, IX, 66; Tennessee, III, 61, 63, 82, 83, 96, 97, 228, 229, 254, 257, 265, 267-270, 274, 276, 277, 280, 281, VIII, 304, 308, 319, XIII, 300; Three Buttes plain, XXVIII, 310; Vancouver's Island, XXIX, 75; Verdigris River, XIII, 234, 252, XVI, 191; Vermillion River, VIII, 193; Vermont, 110, 116; Virginia, III, 47, 49, IV, 140, 145, VIII, 262, XI, 126, 140, XII, 124, XIX, 112; Wabash River, I, 137, XI, 281, 282, XXII, 194, XXIV, 133, 140; Wanborough River, XI, 264; Washita River, XVII, 55; Washougal River, XXX, 224; West and Middle West, III, 132, 171, VIII, 141, X, 282, XII, 258, XIV, 20, XVII, 138, 171, XIX, 14, XXI, 26, XXVII, 27, 45, 215; West Florida, IV, 338, 339; West Virginia, III, 170, 350, X, 201-204, 209, 220, 221; Wheeling Creek, XXII, 146; White River, IX, 190, XI, 212, XVII, 27-29, XIX, 67, XXIV, 135, 136; Willamette, VI, 401; Wolf River, XIV, 211, XV, 200, 216; Yamhill valley, XXX, 171; Yellow Creek, IX, 101; Yellowstone River, XXVII, 226; observed by Cumming, IV, 11; Farnham, XXVIII, 79, 219, 232; Wilkes, XXIX, 86. See also Agriculture, Bottoms, Rivers, Timber, and the several localities and crops.

Solano de Sonoma, Indian mission, location, XVIII, 282.

Solanum, new species, XV, 223; *carolinianum*, XIV, 156; *commersoni*, 154; *heterandrum*, V, 318, XV, 223; *nigrum*, XIV, 74, 156; *triflorum*, XV, 223; *tuberosum*, XIV, 154.

Soldier of the Oak (Le soldat du chêne), origin of name, XVI, 275; Osage chief, 274; entertains Pike, 274; portrait, 275.

Sole, habitat, XXIX, 93.

Solidago, observed by Flagg, XXVI, 183; Nuttall, XIII, 284; abundant, XXVI, 287.

Solis, Gen. Joachim, character, XVIII, 292, 297; leads revolt, 289-298, 315; attitude toward foreigners, 291, 292; prisoner, 303; sketch, 289.

Solitary Tower. See Rocks: Castle.

Solme (*smilacina sessilifolia*), described by Franchère, VI, 320, 321.

Somerset (Pa.), distance from Stoystown, IX, 78; Brackenridge in, VI, 9; Cuming, IV, 68-70; Faux, XII, 17; Harris, III, 364, 371, 372; thermometrical observations, 375; described, IV, 68, 69; sketch, III, 364, 365, IX, 79.

Somerset County (Pa.), settlement, IX, 79; Cuming in, IV, 68; Rekempalin, I, 242.

Sommerville, Dr. —, geological specimens, XIV, 143, XVII, 232; relations with Long, XIV, 143.

Sonachqua, a Wyandot, I, 37.

Sonchus pulchellus, observed by Bradbury, V, 319.

Songhie (Isaniska) Indians, Bolduc among, XXIX, 149-151; population, 149; guides, 152.

Sonjaninga, Kansa chief, XV, 25.

Sonnini de Manoncourt, Charles Nicholas Sigisbert, French naturalist, XV, 240.

Sonoma County (Cal.), Walker in, XXX, 190.

Sonora (Mex.), boundary, XVIII, 146; capitals, 151; presidio, 147; fort, 121; gold mines, 149, 350, XIX, 304; Indians, XVIII, 149, 373, XX, 76; expedition against Apache, 79, 80; governor, XIX, 269; foreign trade, XX, 223, 225, 226; Kirker in, 103; Pattie, XVIII, 14, 144, 181; sketch, 121.

"Sons of 1812," patriotic society, VI, 197.

"Sons of Liberty," I, 290.

Soosoo, trading-port, VIII, 30.

Sopa, Indian chief, VII, 148.

Sophora, III, 97.

Sorel (Can.), described by Flint, IX, 327.

Sorex brevicaudus, described, XIV, 247, 248; *constrictus*, 248; *exilis*, 247; *minutissimus*, 247; *niger*, 248; *parvus*, 247, 248.

Sorrel (*rumex acetocella*), abundant, XIII, 220, XXII, 135.

Sorrel-tree (*andromeda arborea*), III, 267.

Soshoco Indians (Uprooters), described by De Smet, XXVII, 244, 247.

Sothonis Indians, on Arkansas River, XIII, 122.

Soulard, Antoine Pierre, in St. Louis, VI, 403, XXVI, 165.

Soulard, Henry Gustavus, sketch, XXVI, 165.

SOUNDS —

Admiralty Inlet, Indians on, XXVII, 387.

Chatham, fort on, XXIX, 77.

Chitka. See Sitka, below.

Clatsop, described by Wilkes, XXIX, 83.

Clayoquot, fort on, XXIX, 77.

Desolation, sketch, VII, 112.

Long Island, Hell-gate in, VI, 192, IX, 28, 43, XXI, 42, XXII, 55; as a boundary, XII, 78; outlets, VIII, 110.

Millbank, fort on, XXIX, 58, 77, 284.

Mississippi, Lake Borgne on, VIII, 340.

Nootka, Indians on, VII, 165; Spanish, VI, 186, XXIX, 145; fort, 77; Cook, XXVIII, 37; Gray 38; Meares, VII, 112; Perez and Martinez, XXVIII, 32; controversy, 33; sketch, 33.

Norfolk, "Pedlar" on, VI, 406.

Puget's, location, XXX, 213; as a boundary, XXVIII, 37, 305, XXIX, 74, XXX, 11, 195, 215; size, VII, 117; fish in, XXIX, 148; islands, 89, 120; harbors, 61, 62, 212, 294; drainage, 120, XXX, 295; climate, VII, 114; country described, XXIX, 47; lakes near, 81; mountains, 33; coal mines, 51; trail, XXX, 240; Simmons explores, 225; Indians on, XXIX, 128-130, 155; forts, XXI, 342, 344, XXIX, 57; Americans, 120; mission, XXVII, 386, 388, XXIX, 25, 120, 132, 147; Cook on, XXVIII, 31; Kendrick, 38; Mackenzie, VI, 187; Warre and Vavasour, XXIX, 194; controls Oregon, XXX, 287; population (1839), XXIX, 99.

Queen Charlotte's, Mackenzie on, XVII, 236.

Sitka (Chitka), Russians on, VI, 277, 285; sketch, VII, 234.

Sour-berry bushes, noted, XXX, 76.

South, Dr. —, cited, X, 120.

South America, rivers, XIV, 51, 52; prairies, XXVI, 343; minerals, XIV, 78, XXVII, 42; vegetation, XII, 73, XIX, 295; spiders, XVI, 170, 287; wild horses, XXI, 87, 283; El Dorado sought in, XVII, 30, XIX, 301; revolt of states, VI, 11, VIII, 12, XIX, 348; flag, XI, 52; Humboldt in, XVIII, 345; Peale, XXII, 70.

South Carolina, described, XI, 74, 75; mountains, VIII, 308; geological formation, XIII, 219; climate, III, 296, XIX, 110, XXX, 289; oaks, III, 74, 128; insects, IV, 302, XI, 144; drainage, V, 237, 274; Indians, I, 34, 74, XIII, 176; popular characteristics, III, 228, XI, 65, 73, 74; negroes, 12, 100; rural industries, III, 244, IV, 302, X, 297, XI, 79, 156; iron-works, III, 54; boats, IV, 285, 297; emigrants and pioneers, 314, X, 250, 266, 310, 317; capital, III, 295, XI, 75; governor, III, 179, XII, 98; militia, X, 356, XI, 97; nullification, 98; compensation act, IX, 214; method of voting, 256; population, III, 305, 306; travellers — Adair, III, 211; Alvis, IV, 267; Ancrum, XI, 105; Bouquet, I, 282; Butler, XVIII, 313; Faux, XI, 93, 95; Ferguson, IV, 274; Geddes, XI, 73; Gibson, XIII, 300; Gist, I, 91; Glen, 286; Grimke, XI, 181; Hampton, XIII, 309; Kilpatrick, XXVI, 197; Lancaster, XI, 114, 115; Lee, III, 54, XXX, 120; A. Michaux, III, 54, 94, 96, 101, 150; F. A. Michaux, 124, 188; Ostun, IV, 314; Poinsett, XIX, 348; Thompson, XX, 235.

South Chicago, VIII, 291.

South Dakota, VI, 91; boundary, V, 90, VI, 85; streams in, V, 127, VI, 66, 87, XIV, 275, XXIII, 313, XXIV, 45, 87, 97; drainage, V, 126; highlands, XXIII, 244; Black Hills, XV, 252; Great Bend, V, 110; Tetons, 104; Crow Creek agency, XXIV, 13; Sioux reservation, V, 90; Standing Rock reservation, 127; first white settler, XXIV, 35; *Historical Collections*, XXII, 315, XXIV, 16, XXVII, 146, 153, XXIX, 369.

Southampton County (Pa.), summer resort in, XXII, 77.

South Park (Bayou Salade, Colo.), location, XV, 292; boundary, XXVIII, 304; rivers in, 306; buffalo, 205, 266; trail, 193; Farnham, 199, 200, 371; Pike, XVI, 34; described, XXVIII, 208, 209, 211, 213, 306; sketch, 199.

South Portland (Oregon), Johnson in, XXIX, 17.

South St. Louis, formerly Carondelet, XXVI, 178; described by Flagg, 171.

South Salina (N. Y.), now Syracuse, XXIV, 180.

South Sea Bubble, failure of, XXVII, 50.

South West Company, how formed, XXII, 232; absorbed by American Fur Company, V, 36, VII, 37; connection with Pacific Fur Company, 37; Astor annihilates, 270.

Southeastern states, climate, III, 305; productions, 304.

Southern California Railroad, mission ruins on, XVIII, 277.

Southern Pacific Railway, route, XXX, 192; stations, XIX, 279.

Southerners, simplicity, XXI, 32; character, 41; advocate state rights, IX, 191; attitude towards manufactures, 265, 266; dislike Yankees, XI, 40, XIX, 29. See also Confederacy, and Negroes.

Southesk, James Carnegie, Earl of, in Edmonton (Can.), XXIII, 189; *Saskatchewan and the Rocky Mountains*, 189, XXIX, 248.

Southwest, development of, XVIII, 18, 19, XIX, 18; Nuttall in, XIII, 12.

Southwest Territory, population, III, 93; Blount governor, 59.

Sowles, Capt. Cornelius, commands "Beaver," VI, 274, 285, VII, 233-235; instructions from Astor, 234; confirms loss of "Tonquin," VI, 276.

Spadra (Ark.), location, XIII, 194.

SPANISH —

In Europe: natural features, XIII, 331, XVIII, 377, XXVI, 340; agriculture, XIX, 339; king, XVIII, 279; constitution, XX, 29; church reformation, X, 160; war with England, VI, 186; peace with France, III, 81; Armada, XI, 35; historiographer, XIX, 258; U. S. minister among, III, 39, 42; Acosta, XX, 286; Altmira, XVIII, 279; Alvarez, XX, 26; Irving, XIX, 161; Mariana, 258; Martyr, XX, 291; Ripoli, XVIII, 279.

In America: discoveries, II, 34, XIX, 104, XX, 291; conquest, XIX, 261, XX, 296; discover Florida, XXVI, 231; explorations, XIII, 18, XXI, 30, XXVII, 180; De Soto's, XIII, 118, 332, 337, XIV, 333; on Northwest Coast, VI, 233, 256, XXVIII, 30-32, XXIX, 75, 76, 90, 116, XXX, 30-36, 145, 229; at Nootka Sound, VI, 186, 289, VII, 112, XXVIII, 37; explorers gain wealth, XXVII, 83; colonists, IV, 54, XIX, 119, 153; colonial policy, V, 269, XIX, 329, XXVII, 54; Humboldt describes, XVIII, 345; Clavigero, XXI, 105; officials, XVIII, 19; commission investigates, XIV, 40; history sources, XIX, 258; colonies revolt, XVIII, 179, 350, 359, 364, XIX, 271, 348; boundary of territory, VIII, 312, X, 268, XIII, 264, XXVIII, 9; frontier forts, XVIII, 32, 121, XIX, 121, XXII, 256, 267, XXVI, 147; army, IV, 332; churches, XIX, 302. See also Haciendas.

California settlements, VI, 257, 288, 342, XVIII, 15, 188, 236, 279, 281, 283, 290, 291, XXI, 28, XXX, 88; on Colorado River, XVIII, 15, 188, 192, 195, 196, 200-204, 210, 211; grant to Sutter, XXX, 229; Solis revolt, XVIII, 290, 296, 307, 308; American revolt, XXX, 230; Oregon ceded, XXVIII, 36, 38; Florida settlements, XXVI, 105; cession to United States, VIII, 293, XXVIII, 37; Red River settlements, XVII, 66, 68, XVIII, 367; Arkansas, IV, 298, XIII, 138; Louisiana ceded to, V, 235, 236, XIII, 138, XVIII, 367; control Mississippi valley, III, 80, IV, 287, 336, 339, 340, IX, 210, XIII, 307, XIV, 99, XXII, 215, XXVI, 65, 116, 143, 148, XXVII, 51, 77; capture Natchez, III, 254, IV, 317; in New Orleans, 83, V, 97, VIII, 337, 340, XIX, 123, 126; in Natchez, IV, 320-322; on Mississippi, XIII, 308, XXII, 310; in Missouri territory, V, 43, 235, IX, 191, XV, 135; at St. Louis, I, 138, 173, II, 12, III, 72, V, 184, VII, 178, XV, 193; Missouri settlements, IV, 262, 282, V, 270, XXI, 125, XXVI, 262, 268; governors, V, 250, XVII, 86; land grants, III, 192, IV, 359, V, 263, XIII, 107, 145, 288, XIV, 99, 138, XVI, 280, XVIII, 279, XIX, 196, XXVI, 96; American allies, II, 185; expeditions from, I, 101, 117; Genet's intrigue, III, 12, 13, 39, 40, 42, 44, 45; retrocession to France, IV, 292, V, 236, XIV, 138, XXVI, 149, 269, XXVII, 77 (see also Louisiana, purchase).

New Mexican: settlements, VI, 342, XV, 220, XVI, 65, XVIII, 9, 76, 167, 350, XIX, 285; Long in, XVI, 83; Pursley, XIX, 173; Willard, XVIII, 337; relations with Pueblo, XIX, 263-265, 268-270, 301, 302, XX, 54-57; expelled from New Mexico, XVIII, 76, 359, 364, XIX, 265, 299 (see also New Mexico, and Pueblo Indians).

Relations with Americans: IV, 323, 332, VIII, 354, 355, XIII, 222, XVI, 208, XVIII, 9, 152, 234, 235, 239-241, 248, 251, 272, 350, XX, 260; trade with, XIII, 309, XXVIII, 71, 161; Spanish envoy to, XX, 33; coins used, IV, 107, X, 188, XII, 79; compared, IX, 205, XIX, 124; in frontier

forts, XXII, 374, XXIII, 123, XXVIII, 164, 174, XXIX, 363, XXX, 74; as engagés, XV, 220, 221, XXX, 39; fur-traders, VI, 268, XV, 282, 308, XVI, 53, XVIII, 14, XXII, 267, 290; interpreters, XV, 206, 208, XVI, 93, 160, XVIII, 320; muleteers, XXVIII, 46; servants, 172, 186; relations with Indians, I, 162, 171, VI, 248, 249, VIII, 172, 354, XVI, 205; adopt American manners, XIV, 109; in Charleston, XI, 69; on vessel, 34.

Relations with Russians: XVIII, 283, 286; at Havana, VIII, 360; Sandwich Islands, VI, 216, VII, 60; Creoles compared with Spanish, XXVII, 31.

Language: XVIII, 201, XIX, 331; spoken at New Orleans, VIII, 362; by Mexicans, XIX, 256; New Mexicans, 331; taught to Pueblo, XX, 61; spoken by Indians, XVI, 105, 106, 117, XVIII, 103, 175, 188, 208, 211, XIX, 269, XX, 56, 85, 108, 109, 125, 127, 205, XXVIII, 169, 171, 212; Pattie learns, XVIII, 112; geographical nomenclature, VII, 36, XVI, 74, 106, XVII, 80, XVIII, 376, XIX, 252, XX, 89, 212, 251, XXI, 60; name for village, XVIII, 155; for border Indians, XIX, 259; botanical nomenclature, XIII, 321, XVIII, 75, 99; zoological nomenclature, VI, 103, XIX, 327, XX, 260, 276; adopt Indian nomenclature, XVIII, 67; glossary of terms, XX, 353-356. See also Mexico.

Spar, predominance of, in limestone, XIII, 36; calcareous, 47, 217, XVII, 233, 247, 254; crystallized, 229; Derbyshire, 92; fluor, V, 278.

Sparks, Jared, *American Biography*, XXVI, 31; *Life and Writings of Washington*, II, 55; *Washington's Journal*, I, 73.

Sparks, Capt. Richard, expedition to Red River, XIV, 24, XVI, 85, XVII, 66, 68; number and personnel of party, 66, 67; supplies and equipment, 66, 67, 74; guides, 68, 70; sentinels, 75; caches, 74; encampments, 71, 74, 75; courses and distances, 68-71, 73, 75, 76, 80, 82, 83; on Bayou Datche, 69; at Coshatta village, 71-73; in Little Rock, 82, 83; thermometrical observations, 80; sketch, 66.

Sparrows, habitat, XVII, 147; hunted, XXI, 159; observed, XI, 52; blue (*motacilla sialis*), XIII, 105; chipping (*fringilla socialis*), XV, 321; Java, XI, 46; song (*melodia*), XV, 321; (*grammaca*), XIV, 214.

Spaulding, —, mill-owner, XXVIII, 102.

Spaulding, Eliza Hart, in Oregon, XXI, 355.

Spaulding (Spalding), Rev. Henry H., appointed by American Board, XXX, 284; with Palmer, 232, 235, 240, 241; founds mission station, XXVIII, 338; among Nez Percés, XXVII, 389, XXX, 108; in Fort Walla Walla, XXI, 352; threatened by Indians, XXVII, 238, 239; furnishes supplies, 238, 239; Bible translations, 235, 236; experience with bear, 233, 234; botanical collection, 298; meteorological tables, 285; presents relic, XXVIII, 333; quoted, XXIX, 38, 39.

Spaulding, Rev. Solomon, writes *Book of Mormon*, XXVIII, 51, 52.

Speakman, J., zoologist, XIV, 46.

Spearmint, observed by Woods, X, 303.

Spears, as equipment, XII, 173, XV, 80, XVI, 218, 219, XVIII, 148, 149, 316, XXI, 253, 265; Spanish use, XVIII, 74, 305; in salmon fishing, XXI, 357; of koeye wood, VII, 71. See also Weapons.

Specht, Joseph, missionary, XXVII, 193.

Spectacles, wooden, made by hunters, XXIV, 70.

Speculators, resident, XI, 277; shrewd, XII, 199, XXI, 36, XXVI, 130; tricky, III, 226, IX, 221, X, 227, 241, XI, 277, XII, 212; profits, XXII, 89; unprofitable, XI, 295, XXII, 94, 115, XXX, 224; land, V, 282, 307, 308, X, 11, 14, 62, 329, 331, 332, XI, 10, 14, 128, 143, 253, XII, 60, 69, 98, 101, 112, 113, 207, XIII, 55, 64, 103, 107, 157, 165, 166, XIV, 99, 100, 144, XXVI, 198, XXX, 223, 224; ill effects, V, 305, X, 45, XI, 160, 165, 278, XII, 246-248; benefits, VII, 34; commercial,

SPECULATORS (continued)—

- I, 120, VII, 34, XII, 239, 335; mining, V, 308, XX, 179, XXII, 115; farm produce, III, 191, IV, 135, 136, XXX, 258; buildings, XII, 239, 240; slaves, VIII, 320; among French, IV, 127, XXVII, 57; Indians, VII, 129; on Allegheny River, VIII, 51; in Arkansas, XIII, 288, 292; California, XXX, 223; French Grant, IV, 127; Illinois, XI, 252, XXII, 204, XXVI, 81, 242, 333; Kentucky, III, 201, 225, 226, 279, XI, 253; Louisiana Territory, XIII, 313, XIV, 138, XXVII, 42, 43; Mexico, XVIII, 313; Mississippi, III, 254, XIV, 102; New York, XII, 164; Ohio, III, 185, IV, 108, 113, 124, 149, 168; Texas, XVIII, 365; West, XII, 60, 246-248, XIII, 64, XIX, 25; Law's scheme, XXVII, 49, 50; Ohio Company, IV, 124; South Sea bubble, XXVII, 50. See also Lands.
- Speed, Thomas, *Wilderness Road*, III, 41, 42, 45, 46.
- Spencer County (Ind.), seat, X, 251, XIV, 88; boundary, X, 248.
- Sphe*x, attacks spider, XVI, 289, 290.
- Spice-wood (*laurus benzoin*), III, 230, 359; soils adapted to, XVII, 143; abundant, XIII, 161, XXII, 166, 208; article of trade, X, 337; observed, IX, 121, X, 306, XVI, 281, XXII, 206, 252; uses, III, 91.
- Spiders, size, XIII, 180, XVI, 289; poisonous, XI, 144; bird-catching, XVI, 287; hairy, 286, 287; black hairy, 170; *mygale avicularia*, 170, 287.
- Spies, employed by French, I, 217, 229, 288; in Revolution, XII, 70.
- Spigelia*, *marylandica*, XXIX, 424; *sakintépouah*, III, 68.
- Spikenard (*aralia racemosa*), on Rocky Mountains, XV, 294.
- Spilanthus oleracea*, III, 218.
- Spinning-wheels, scarcity of, IX, 218; Spanish, XVIII, 168; among Indians, 276.
- Spiræa*, willow-leaved, thickets of, XXII, 98; *opulifolia*, XV, 172, 295; *tomentosa*, III, 100; *trifoliata*, 77.
- Spirits. See Liquors.
- Spix, Dr. Johann Baptist, natural history work, XXIV, 118.
- Spokan (Spokein, Zingomene) Indians, related to Sanpoil, VII, 276; habitat, VI, 341; language, XXIV, 227, XXVII, 283; population, VI, 341, XXVII, 166; as slaves, VI, 342; missions among, XXVII, 284, 367, 368, 377, 379, XXIX, 191.
- Spokane (Wash.), site, XXIX, 289, 302, 367; trading-posts near, VI, 277, 295; military post, VII, 149; Father Zerbinati in, XXIX, 139.
- Spokane County (Wash.), lake in, XXIX, 302.
- Spoon-fish, described by Flagg, XXVI, 135.
- Spoons, as equipment, XII, 158, XXIX, 303; article of trade, XIV, 199, XXVIII, 37; Mexicans use, XIX, 294; Indian utensil, XIII, 248, XIV, 190, 290, 292, XX, 296; how made, I, 311, XIV, 191; buried with dead, VIII, 154; horn, 66, XV, 26, 72, 76, 204, XXIII, 107; iron, XXI, 128, XXVIII, 80; wooden, XXI, 258.
- Spotswood, Alexander, sketch, XXVI, 216, 217.
- Spotted Elk (Ketscpenn-nuka), Blackfoot chief, XXIII, 88.
- Sprague, Charles, quoted, XXVI, 59.
- Sprengel, Kurt Polycarpe Joachim, botanist, XIII, 44.
- Spriggs, Maj. Zachariah, in Wheeling (W. Va.), XII, 19; tavern-keeper, 279.
- "Spring," English brig, XII, 159.

Spring Bay (Ill.), described by Flagg, XXVII, 37, 38.

Spring Hill (Tenn.), school-house, III, 62.

Spring Island Grove (Ill.), described by Flagg, XXVI, 314, 315.

Spring Station (Ky.), site, XXVI, 48.

Springetsbury, Morris estate in, IV, 29.

Springfield (Ill.), quality of soil, XXIV, 140; capitol, XXVI, 244; state-house, 319; land records, XXVII, 61; boats, XXVI, 320; railroads, 120, 297; Flagg in, 12, 314, 315, 318; Mather, XIX, 197; described, XXVI, 318, 319; sketch, 318.

Springfield (Ky.), F. A. Michaux in, III, 196.

Springfield (Mass.), named, X, 205; Sterling in, XXVII, 78; Woods, X, 206.

Springfield (Mo.), site, XXVIII, 138.

Springfield (Ohio), described, IV, 224, 225.

Springfield (S. Dak.), site, V, 94, XXII, 290.

Springfield (W. Va.), population (1820), X, 206; sketch, 205.

SPRINGS: XXVI, 213; how formed, IX, 244, XVII, 36; abundant, III, 224, IX, 122, 184, XII, 16, XV, 258, XVIII, 160, XIX, 67, XXVII, 220, 253; scarce, XII, 13; in Illinois, X, 271; Indiana, XII, 235; Kentucky, III, 215, 216, 220; Mississippi, IV, 319; Missouri, XXVI, 163, 260, 262; North Carolina, III, 56; Ohio, IV, 214, XI, 173, XII, 18; Pennsylvania, III, 320; West Virginia, X, 209; Point of Rocks, XIX, 249; Snake River, XXVIII, 312; observed, XXX, 54, 67, 75; boiling, XVI, 24, XVIII, 88, 118, XXVI, 212, 213; chalybeate, IV, 65, XIII, 39, XXVI, 51; gas, XIV, 59, XXI, 200, XXVIII, 299; hot, VIII, 163, 164, XIII, 147, 283, XVIII, 49, 375, XIX, 311, 312, XX, 158, 159, 169, 197, XXI, 200, XXII, 291, 294, XXVII, 360, XXVIII, 238, 314, 323, XXX, 93, 97, 100; intermittent, XXVIII, 298; medicinal, XXVI, 364, 365; mineral, IV, 191, XII, 95, XIV, 112, XV, 170, XVI, 33, XVII, 150, 234, XIX, 311, 312, XX, 242; oil, XIV, 57, XXIX, 202; poison, XVII, 49; salt, IV, 103, 165, VIII, 163, XVI, 34, XVII, 213, XXIX, 51; soda, XVI, 71; sulphur, IV, 65, XII, 15, XX, 242, XXVI, 179, 352, XXVII, 360, XXIX, 226, XXX, 101; tide, XXVII, 112.

Beer. See Soda, below.

Bellefontaine, XXVII, 104; Pratte at, XVIII, 59.

Bell's, origin of name, XVII, 150; described, XVI, 34, 35, XVII, 150.

Big John, caravan camping site, XX, 93.

Burning, outlet for natural gas, XIX, 148.

Castilian, III, 61.

Castle Rock, named by Pratte, XVIII, 60.

Cave, described by Flagg, XXVI, 119.

Cold, caravan camping site, XX, 93.

Dead Man's (Ojo del Muerto), camping site, XX, 153.

Deer Lodge, origin of name, XXVII, 253; sketch, 253, 254.

Diamond, caravan camping site, XX, 93.

Dixon's, III, 257, 273.

Elliot's, in Pennsylvania, IV, 92.

Lost, caravan camping site, XX, 93.

Lower Cimarron, Gregg's caravan on, XX, 252, 263.

SPRINGS (continued)—

- Mammoth, in Fulton County (Ark.), XVII, 35; described, 35.
- Manitou, described, XVI, 13; creek named for, XXVIII, 186.
- Middle, caravan camping site, XX, 93.
- New Lebanon, transition rocks in, XVII, 248.
- Ojo de Bernal, camping site near, XX, 93.
- Olympian, watering place, IV, 185, 211, 212.
- Pacific, outlet, XXX, 71.
- Sand, Maximilian at, XXII, 101.
- Santa Clara, camping site, XX, 93.
- Sappho's Fount, site, XXVI, 213; character of, 214.
- Saratoga, quality of, XXI, 200, XXVIII, 296.
- Sinking, in Ohio, IV, 209.
- Snake, origin of name, IV, 61.
- Soda (Beer, Steamboat), named, XXVIII, 296; location, XXX, 86; river, 89; quality, XXVII, 248; numerous, 247; trail, XXI, 209, XXVIII, 113; emigrant station, XXVII, 236, XXVIII, 298, XXX, 13, 280; Blackfeet at, XXVIII, 292; De Smet at, XXVII, 249; Farnham, XXVIII, 294, 296, 297, 301; Palmer, XXX, 28, 79-81, 84, 247; view, XXVII, 245; described, XXX, 81-83; sketch, XXI, 200.
- Upper, described by Gregg, XIX, 233; camping site, XX, 93.
- West Baden, health resort, X, 63.
- Wolfe's, IV, 139.
- Spruce (*abies*, fir), habitat, II, 81, XII, 323, XIII, 40, XVIII, 349, XXIV, 181, XXX, 110; abundant, XXIX, 36, 40, 42, 44, 87; forests, XXII, 103; quality, XXIX, 46; hemlock (*canadensis*), XIV, 53, 56, XV, 306; *alba*, XVI, 25; *nigra*, XV, 303, XVI, 25; *rubra*, 25; red and white, VI, 319, 320, XVI, 25; observed by Farnham, XXVIII, 201, 213, 230, 232, 325, 356, 374; Faux, XII, 17; Maximilian, XXII, 93; Palmer, XXX, 127, 152, 194, 198, 201; Woods, X, 206.
- Spurge, *euphorbia marginata*, XXII, 186; *variegata*, XV, 263, 264.
- Spurs, ornamented, XIX, 333; Mexican described, 341.
- Spurzheim, Kasper, *Physiognomical System*, XXI, 165.
- Squalus*, *galeus* and *maximus*, XIV, 224, 225.
- Squashes, V, 90, 175, 284, XVII, 154, XXVIII, 334, XXIX, 381; described, X, 305.
- Squier, E. G., and Davis, E. H., *Ancient Monuments of Mississippi Valley*, XXVI, 184.
- Squirrels (*sciurus*), XXVII, 130; habitat, II, 76, III, 82, IV, 46, 52, 203, XVII, 146, XXIII, 65, 194, 199, 210, 212, 214, 245, XXIX, 214; resemble prairie dogs, XVIII, 335, XX, 277, XXVIII, 222; numerous, IX, 120, XI, 74, 187, XII, 208, XXI, 139, XXIV, 110, 119, XXVII, 194; hunted, V, 280, 281, VIII, 132, X, 39, XI, 208, 210, 228, XIX, 150, XXIV, 119; as food, I, 248, IX, 120, XIV, 182, XXI, 154; infest cornfields, IX, 254; observed, XI, 214, XXX, 139; many species, V, 257, IX, 120, XXII, 168, XXIII, 67, XXVII, 263; Barbary, XVI, 69; barking—see Prairie dogs; black (*nigra*), VIII, 192, XV, 318, XIX, 130; flying (*sciuropterus*), XXII, 82; fox (*rufiventer*), XIV, 182, XVI, 152; four-lined (*quadrivittatus*), 37, 38, XXIII, 55, 170, 210; grey or cat (*carolinianus*), III, 235, 236; grey (*cinereus*)—habitat, III, 47, 63, XII, 88, 134, XIV, 182, XV, 318; numerous, VIII, 192, XVI, 169, XIX, 130, XXI, 133, XXII, 81, 135, 190; hunted,

- XXIV, 132; as food, 135; ground (*striatus*), III, 64, X, 287, 289, XV, 318, XVI, 38, XXII, 74, 83, 88, 385; Hudson's Bay, XII, 88, XXII, 67, 74, XXIV, 169; tree, X, 288, 289; white-nosed (*capistratus*), XIV, 182, XV, 318; (*bilineatus*), XVI, 38; (*getulus*), 37; (*grammarus*), 69, 70, 72; (*lateralis*), 38; (*macrucus*), XIV, 181, 182; skins, III, 64.
- Staats, Hon. Stephen, *Occasional Address*, cited, XXX, 128, 151.
- Stachys feniculum*, observed by Bradbury, V, 318.
- Staked Plains (Tex.), watershed, XVI, 105; Red River in, 85.
- Stanapat (little hawk with bloody hand), kills fur-trader, XXIII, 225.
- Standeford (Ky.), A. Michaux in, III, 89, 90.
- Standing Rock reservation, Yanktonai Indians on, XXIV, 13.
- Standing Stone (Ohio), Indian village, IV, 222.
- Standing Stone (Pa.), Weiser in, I, 21, 22, 44.
- Standlee, John, in Faulkner County (Ark.), XIII, 169.
- Standlee, William, in Faulkner County (Ark.), XIII, 169.
- Stanford, —, in Jefferson County (Ky.), III, 65.
- Stanford (Vt.), Evans in, VIII, 115.
- Stanley, Elisha, with Gregg, XIX, 164, 198, 229, 230; in New Mexico, 281, 282; describes Canadian River, XX, 240, 241; settlement, XVII, 24.
- Stanley County (S. Dak.), creek in, XXII, 332.
- Stanley Town (Pa.), F. A. Michaux in, III, 147.
- Stanleya, integrifolia*, XV, 308; *pinnatifida*, 308, XXII, 293.
- Stanton (N. Dak.), Ahnahaway in, V, 163.
- Stanton (Va.), A. Michaux in, III, 52.
- Stanton County (Nebr.), creek in, XVIII, 40.
- Stanwix, Gen. John, in French and Indian War, III, 32, IV, 244, XXIV, 184.
- Staphylea trifoliata*, III, 29.
- Starapat. See Little Hawk.
- Stark, Gen. John, in Revolution, VIII, 115, 116.
- "Stark," on Mexican gulf, IV, 371.
- Stark County (Ill.), included in bounty tract, XXVI, 128.
- Stark County (Ohio), township in, XXIV, 156; village, 157.
- "Starling," English man-of-war, XXIX, 131.
- Starlings (*sturnella ludoviciana*), XXII, 384, XXIV, 91; red-winged (*oriolus phoeniceus*), XV, 321.
- Stassága (le brecheux), Indian chief, on "Assiniboin," XXII, 370.
- Statesborough (S. C.), A. Michaux in, III, 53, 102.
- Staunton (Va.), North Mountains in, XIII, 39; travellers, III, 39, 48, 49.
- Steatite, where found, XXIII, 100.
- Stedman, John, pioneer settler, XXIV, 165.
- Steed, John, Quaker, XI, 31, 127, 133, XII, 58; salary, XI, 131.
- Steele, —, Presbyterian minister, IV, 84.
- Steele, George, founds town, XXVII, 22.

- Steele, John, editor, XIX, 165.
Steele's Mills (Ill.), post-station, XXVII, 22.
Steelesville (formerly Georgetown), sketch, XXVII, 22.
Stelatin Indians, habitat, XXIX, 182.
Stellaria pubera, observed by Long, XIV, 62.
Stellio quarto paleo, band, XVI, 284.
Stephen, Indian convert, XXIX, 311.
Stephen, Julien, interpreter, XV, 191.
Stephens, Alfred K., sketch, XXI, 73.
Stephens, Lewis, in Stephensburg (Va.), III, 49.
Stephens, Peter, in Virginia, III, 49.
Stephens, Capt. Thomas Fulton, commands caravan, XXX, 48; Palmer overtakes, 50; sketch, 48.
Stephensburg (Va.), founded, III, 49; sketch, XI, 153.
Stephenson, George, in England, XXIV, 188.
Sterculia platanifolia, III, 124.
Sterling, —, in Louisiana, IV, 335.
Sterling, Sir Thomas, in Fort Pitt, I, 163, 164; Fort Chartres, 138, 147, XXVII, 78; sketch, I, 163, XXVII, 78.
Steuben, Friedrich Wilhelm August Heinrich Ferdinand, baron von, IV, 108, IX, 102.
Steubenville (Ohio), location, IV, 256; settlement, VIII, 279; early history, 263; coal mines near, X, 39, 40; manufactures, 72, 73; prices, 76; population, IV, 107, IX, 102, XIX, 34; described, IV, 107, 108, IX, 100-102, X, 39, XIX, 33, 34; island near, XXVI, 59; land speculation, IV, 108; Bell in, 291; Cuming, 108; Doddridge, 110; Flint, IX, 175; Hulme, X, 39, 79, 81; Nuttall, XIII, 51, 57; Wells, IV, 291; Wilson, X, 80.
Stevens, Isaac T., governor of Washington Territory, XXIX, 330, XXX, 16; expedition to California, 89, 91; *Voyages*, XV, 245.
Stevens, William, grave, VII, 51, 52.
Stevens County (Wash.), mission in, XXIX, 178.
Stevenson, —, Pittsburg physician, IV, 87.
Stevenson, Robert Louis, extols Damien, VI, 222; *Old Pacific Capital*, XVIII, 281.
Stevensport (Ky.), described by Maximilian, XXII, 159, 160.
Stevensville (Mont.), site, XXVII, 282.
Stevia, observed by Nuttall, XIII, 229.
Stewards, negroes as, XI, 40; wages, 153.
Stewart, —, farmer, IV, 102, 103.
Stewart, Dugald, *Philosophy*, XXVI, 362.
Stewart, Jack, candidate for Congress, XXVI, 324.
Stewart, James H., founds *Kentucky Herald*, III, 200.
Stewart, Peter G., assists emigrants, XXX, 145, 149.
Stewartia pentagyna, III, 101.
Stiaggeghroano, Indian chief, I, 263.

Stiel Shoi Indians. See Cœur d'Alène.

Stiettiet Loodzo (Stiettietloodsho, Stiettietlotso, Bravest of the Brave), Flathead chief, XXVII, 328, XXIX, 174, 330.

Stiff Foot. See Old Heart.

Stiff Leg, Blackfoot chief, XXIII, 88.

Stilbite, connected with zeolith, XVII, 230.

Stile, —, in Georgetown (D. C.), XI, 124.

Stiles, Maj. —, founds town, X, 235.

Still, Isaac, Indian deputy, I, 235, 245, 253-255, 258, 261, 267, 268, 287.

Stillman, Capt. —, commands "Glenthorn," IX, 25, 29.

Stillwell, Joseph, land grant to, XIII, 107.

Stinfeor, Indian chief, I, 221.

Stinking Creek (Ky.), settlement, III, 45.

Stipa, observed, XIII, 220; troublesome, XVI, 100; *junceae*, V, 317; *membranacea*, 317.

Stockbridge Indians, habitat, VIII, 127; occupations, XXIV, 183; population, XX, 317, XXIV, 183; missions to, II, 29, 67; with Brothertowns, VIII, 127; Oneida, XXIV, 183.

Stockbridge (Mass.), primitive limestone in, XVII, 248; Housatonic Indians, VIII, 127.

Stocks (flowers), cultivated, X, 303.

Stoddard, Maj. Amos, explorations in Arkansas and Louisiana, XIV, 23; *Historical Sketches of Louisiana*, 103, XVI, 95, XVII, 41, 229, XIX, 45.

Stoddart, Capt. —, commands "Havre," XXIV, 192.

Stoddartsville (Pa.), connected with Mauch Chunk, XXII, 89; Maximilian at, 109.

Stokes, Montford, Indian commissioner, XX, 108.

Stomik-Sosak (ox hide), character of, XXIII, 163.

Stone, —, American consul, XVIII, 317.

Stone, Elizabeth Jarvis, marries Wyeth, XXI, 23.

Stone, William M., *Sir William Johnson*, I, 50, 100, 310.

Stone (rocks), divisions, XVII, 246, 247; geological formations, XIII, 194; primitive, XV, 183, 241, 242, 252, 291, XVII, 104, 105, 144, 195, 197, 200, 201, 206, 211, 212, 221, 222, 231, 237, 242, 243, 246, 251, XXII, 75; secondary, XV, 242, 298, 302, XVI, 80, XVII, 23, 44, 52, 87, 104, 105, 149, 197, 200, 206, 219, 223, 224, 227, 237-241, 243-246, 250, 252-254; transition, XV, 242, XVII, 30, 195, 219, 223, 238, 245, 247, 253, 254; arenaceous, XIII, 265; arenilitic, 181; basaltic, XXIX, 289; breccia, V, 118; calcareous, III, 30, 38, IX, 282, XIII, 35, 36, 39, 46, 52, 60, 63, 66, 197, 202, 215, 221, 235, 241, 283; XVII, 212, XVIII, 340, XXII, 208, 238, 239, 243, 262, 283; chalky, III, 197, 198, 202, 210-212, 222, 223, 250, 256; compact, XVII, 35; conglomerate, XXIII, 79, 80; flint XVII, 200; flint, III, 142, 188, 256, 283; limestone, XXVI, 104; petrosiliceous, XIII, 219, 225; soda, XXX, 90; trap, XIII, 37, 38, XV, 300, XVI, 85, 92, 137; volcanic, XVII, 135, XXI, 273, XXVIII, 299, 351, 355, XXIX, 37, 289, XXX, 83, 92; crystals, III, 270, XIII, 150; fossils, XVII, 197; human footprints, XXVI, 146; in mounds, XIX, 211; sculptured, XIV, 96, 97; as fertilizer, XII, 68; precious stones, XVIII, 377, 379; building material, III, 256, IX, 102, 324, 326, 330, X, 214, 277, XI, 151, 161, 264, XIV, 229, XV, 240, XVIII, 351, 361, XIX, 36, 101, 138, 140, 152, 301, 335, XX, 47, 187-189, XXII, 129, XXIII, 189, XXVI, 96, 119, 166, 172-175, 202, 210, 243, XXVII, 80; quarries, IV, 249, XII, 19, 20, 213, XIV, 271, XIX, 77, XXII, 210, 279, XXVI, 97, 118, 330, XXVII, 215, 227, XXX, 165; in Kentucky, III, 63; Ohio, X, 73; Tennessee, III, 63.

Stone County (Ark.), creeks in, XVII, 25; boundary, 25; Long in, 25.

Stone-crop (*sedum stenopetalum*), described by James, XVI, 15.

Stone Indians. See Assiniboin.

Stoney (Stoney Mountain) Indians, habitat, XXIX, 220.

Storax, odoriferous, XIII, 114, XXII, 60, XXIV, 132.

Stores. See Merchants.

Storrs, Augustus, paper to Congress, XIX, 182.

Storton, Dr. —, preacher, XII, 76; in Philadelphia, I, 122, XII, 79; chapel described, XI, 108.

Stowe, Harriet Beecher, author, X, 115.

Stoystown (Pa.), described by Flint, IX, 78; population, XIII, 42; sketch, IX, 78.

STRAITS —

Behring, immigration by way of, VIII, 273, 274, XIX, 92.

Buffalo, North West Company brigade on, VI, 378; location, 379.

Davis, as a boundary, XXIX, 52.

Detroit, Grosse Isle in, VIII, 238. See also Rivers: Detroit.

Devil's Race Ground, location, IV, 289, 290, VIII, 301, XIII, 87.

Georgian, Mackenzie in, VI, 187; tributaries, XXIX, 43.

Hecate, islands in, XXIX, 76.

Johnstone, sketch, XXIX, 75.

Juan de Fuca, location, XXIX, 116, 145; mountains near, 74; harbors, 61, 84; tributaries, 43; whales, 93; haiqua, VI, 326; as a boundary, XXIX, 36, 47, 76; discovery, XXVIII, 30, 38; explorers on, 37, XXIX, 76, 90; Indians, VI, 255, 256; Bolduc, XXIX, 148; described, XXVIII, 31, XXIX, 47; sketch, VI, 255.

Mackinac (Michilimackinac), II, 51; described, VIII, 230, 231.

Magellan, as a boundary, XXIX, 28; navigation on, VI, 208.

Sault Ste. Marie (St. Mary's), falls in, VIII, 233; sketch, II, 79. See also Sault Ste. Marie (Mich.).

Stramonium, III, 187.

Strasburg (Pa.), location, III, 319, 320; roads, 262, 313, 319, IV, 51; Cuming in, 53, 55; Harris, III, 319, 321, 327, 370; A. Michaux, 27; F. A. Michaux, 141; thermometrical observations, 374; population, 141, 320; described, IV, 52; sketch, III, 141, 142.

Straw, as beds, XXVIII, 172; chopped, X, 197; sold, XI, 137, 141; prices, X, 74.

Strawberries, where found, IV, 326, V, 257, X, 210, 296; abundant, XX, 258, XXVIII, 54, XXIX, 51, 196; blossoms, XXIV, 108, XXIX, 85; when ripe, VI, 320, XIX, 75; as food, V, 260, VII, 109, XII, 115, XXIX, 132; observed, VI, 140, XVIII, 337, XXIX, 146; described, X, 308.

Stricker, Gen. John, in battle of North Point, XII, 290.

Strobilaria (*phylolithus*), observed by Long, XVI, 164, 165; Nuttall, XIII, 43, 172.

Strobus, III, 28.

Strode, Capt. —, in Fayetteville, XI, 76.

Strychnine, poisons wolves, XXX, 292.

Stuart, —, in Oregon, XXVIII, 290.

Stuart, —, on Rocky Mountains, XVIII, 140.

- Stuart, Alexander, in North West Company, VI, 298, VII, 254; builds fort, VI, 298, XXIX, 248; expedition in Oregon, VI, 304, 305; wounded, 306-308; illness, 311, 347; adventure with Indians, 306-309, 337, VII, 255, 256; plundered, 258; returns with brigade, VI, 336, 349, 352, 357, 365; names rapid, 344; sketch, 298.
- Stuart, David, joins Astorian enterprise, V, 224, VI, 186, VII, 38; outward voyage, VI, 194, 204, 233, VII, 45, 51, 52, 75, 79; explores Columbia, VI, 239-241; expedition to interior, 252, 254, 304, VII, 115, 125, 139, 188; on Okanagan River, VI, 259, 260, 276, 277, 283, 345, VII, 151, 154, 157-159, 194, 198-200, 204-207; at Astoria, VI, 274, 336; attitude concerning sale, VII, 217, 219, 237, 238; returns East, VI, 336, 369, 376, 392, VII, 264; goes to Montreal, VI, 391; relations with Indians, VII, 128, 141, 204-207, 239, 242, 253; with Clarke, 196, 197, 221; accidents, VI, 240; robbed VII, 153.
- Stuart, James, *Adventure on the Upper Missouri*, XXIII, 91.
- Stuart, John, in North West Company, VII, 244; with Fraser, 194, XXIX, 56, 81; arrival at Astoria, VI, 295, VII, 244; Astorian posts delivered to, VI, 298, 304, VII, 253; letters to, VI, 251, 254; expedition to Spokane, 345-347; return East, 336; sketch, 251.
- Stuart, Robert, joins Astorians, V, 224, 234, VI, 186, 187, VII, 39, 41, 42; on "Tonquin," VI, 194, 207, VII, 53; in Astoria, VI, 285; explores Columbia, 242, 261, 262, VII, 95; Willamette, VI, 267; to Okanagan, 272, VII, 186; encounter at Cascades, VI, 274, 275, VII, 187; return to Astoria, V, 181, VI, 274, VII, 188; expedition among Chinook, 96; goes East with dispatches, V, 106, 224, VI, 277, VII, 195; expedition described, V, 224-228, VII, 198, 222-227, XV, 273, 238; relations with Indians, VI, 255, VII, 193, 224; in New York, VI, 405; sketch, V, 224.
- Stuart, Sir William Drummond, hunting, XXII, 233; with Wyeth, XXI, 197, 230; Lee, 280; Bonneville, 203, 204; on Columbia, 292; at St. Louis, XXII, 231; sketch, XXI, 197.
- Stubblefield, Reuben, in St. Clair County (Ill.), XXVII, 112.
- Stumps, Frederick, in Tennessee, III, 85.
- Stung Arm, Indian chief, XIII, 350.
- Stung Serpent, Natchez chief, XIII, 348.
- Sturdevant, —, counterfeiter, XXVI, 74.
- Sturgeon, Indian chief. See Onnemay.
- Sturgeon Indians, location, II, 133, 134.
- Sturgeons, habitat, II, 80, 118, 155, VI, 314, XII, 171, XXII, 170, XXIII, 94, 250, XXIX, 51, 93; abundant, VI, 378, 383, VII, 108, XXVII, 260; size, XXIX, 199; weight, VII, 108; quality, VIII, 234, XVI, 166; season, VI, 281; method of catching, 256, 383; as food, XXI, 318, 320, 363, XXIX, 125; described, VI, 322; Columbia (*acipenser transmontanus*), 281.
- Styles, —, squatter, XIII, 213-215, 217, 219; guide, 218, 223, 224; deserts Wyeth, XXI, 88; in Booneville (Mo.), 90.
- Stylophorum (chelidonium)*, abundant, XIII, 56.
- Sublette, Andrew, catches wild horse, XXI, 87; advises Farnham, XXVIII, 52; sketch, XXI, 87.
- Sublette, Milton G., fur-trader, XX, 23, XXI, 83, XXII, 233, 250; posts, 304; at Independence, XXI, 149, XXIV, 116; relations with Indians, XXII, 353; with Mexican governor, XX, 24; with Wyeth, XXI, 11, 68, 74, 137, 138, 141; name inscribed, 184; sketch, XX, 24, XXI, 67, 68.
- Sublette, William L., Indian trader, XIX, 220, XX, 23, XXI, 83, 151, XXX, 74; erects forts, XXI, 181, XXIII, 198, 217; Santa Fé expedition, XIX, 236-239; Rocky Mountain expedition, XXI, 47, 58, 60, 62, XXIV, 116, XXVIII, 290; rendezvous, XXI, 62, 63, 192; value of furs, 81; at Pierre's Hole battle, 70-72, 88; return, 73, 78; relations with Indians, 63, 85, 86; with Wyeth, 45,

SUBLETTE (continued)—

- 48, 52, 54-56, 60-64, 69, 82, 84; knowledge of Rocky Mountains, 51, 52; employees, 57, 63, 84, 156, XXIV, 35, 46; partnership with Campbell, XXIII, 198, 277, XXIV, 93, 116; steamer, 117; agency, XXIII, 229; rivalry, 218, XXIV, 16; partnership with Chardon, 49; road named for, XXX, 72; name inscribed, XXI, 184; sketch, XIX, 221, XXI, 151.
- Sucero, Pablo, in Taos (N. Mex.), XVIII, 337.
- Suck-Schih (handsome child), exploits, XXIII, 358.
- Suckers (fish), in Atlantic ocean, IV, 374; described by Evans, VIII, 359.
- Sugar, where grown, III, 203, IV, 328, 341, V, 211, 212, 309, VIII, 329, 339; in Louisiana, III, 159, IV, 361, 368, XIII, 307, 312, XIX, 125, 126; on Sandwich Islands, VI, 221; West Indies, XIII, 312; cultivation of, V, 264, 309, VIII, 326, XII, 73, XIII, 307, 308, XVIII, 151, 362, 363, XIX, 129; manufacture, VII, 64, VIII, 181, 193, X, 354; home made, XI, 203, 229, XII, 16; made from potatoes, XXIX, 325; abundant, VIII, 326, 349, XVIII, 378; scarce, IX, 247, XI, 246, 299, XII, 249, XIII, 69, XXIV, 71, 76, XXVII, 400; quality of, XVIII, 151, XXI, 40; market, IV, 105, 264, 368; prices—I, 286, IX, 31, X, 74, 108, XI, 301, XIII, 77, 161, XXX, 57; brown, XII, 238; coffee, 238; loaf, 238; amount produced, V, 264, XIII, 309; value, V, 271, XIII, 312, 313; profits, XI, 301; as supply, V, 299, XI, 45, XII, 157, XV, 192, XVI, 42, XIX, 190, XXII, 235, XXVIII, 184, 258, 308, XXX, 148; present, XXVIII, 347, XXIX, 371; article of trade, VII, 59, VIII, 43, X, 337, XII, 259, XVIII, 362, XXI, 194, XXII, 182, 383, XXVIII, 171, XXIX, 60, 94; food, XI, 288, XVI, 103, XXI, 367, XXII, 358, XXIII, 207, 277, XXIV, 89, XXVIII, 326, XXIX, 267, XXX, 57, 74; fodder, VI, 227; loaf, XI, 211; maple—as forage, XXII, 185; use of, III, 203, XIII, 55; trees, IV, 74, VIII, 299, XVII, 87, 143; manufactured, I, 124, 239, 249, VIII, 275, XXII, 199; price, III, 163.
- Sugarloaf Township (Pa.), described, XXII, 116.
- Sullavan, Dennis, Indian trader, I, 62.
- Sullens, —, on Bœuf Creek, V, 44.
- Sullivan, Gen. John, in Indian campaign, IV, 96; Revolution, VIII, 184, XIX, 150, XXIV, 175.
- Sullivan's Old station (Ky.), site, XXVI, 48.
- Sully, Gen. Alfred, campaign, XXIV, 12.
- Sully, R. M., Indian portraits, XXII, 230.
- Sully, Thomas, artist, XXII, 139.
- Sulphites, on Arkansas River, XVII, 212; used in mining, XX, 183; lime, XIV, 82, 126; magnesia, 82.
- Sulphur, on Missouri River, V, 92; abundant, XXVIII, 153, XXIX, 226, 246; market, III, 202; coal impregnated with, X, 213; water, XXII, 113, XXVIII, 244, 323, XXX, 101; method of detecting in water, V, 311; springs, X, 62, 68, XVII, 150, XXIX, 51; wells, X, 274, 341, XXVI, 191; observed, XIII, 151, 243, XIV, 126, XXVIII, 238.
- "Sulphur," English man-of-war, XXIX, 131.
- Sulphuric acid, liberated by pyritous rocks, XVI, 286.
- Sulpitians, in Canada, II, 47, 58; Prairie du Pont (Ill.), XXVII, 116.
- Sulserstown (Miss.), Cuming in, IV, 318, 348.
- "Sultana," commanded by Lambert, XXI, 306.
- Sulte, Benjamin, *La Rivière des Trois Rivières*, II, 35.
- Sumach (*rhus*), habitat, III, 150, 219, XXVI, 212, 343, XXIX, 37; abundant, XXVI, 274, 287, XXVII,

- 116, XXIX, 87; as a remedy, X, 303; dye for cottons, III, 267; tobacco made from, I, 323, XII, 52, XVII, 169, XXII, 178; *aromaticum*, XIII, 38; *glabrum*, V, 111, IX, 121, XV, 122; *typhinum*, XXII, 50, 55, 62, 69, 88, 102, 129, 133, XXIII, 185; observed by Flagg, XXVI, 183; Maximilian, XXIV, 172; Woods, X, 306.
- Summit County (Colo.), rivers in, XXVIII, 215; mountains, 216.
- Summit County (Ohio), seat, XXIV, 158.
- Sumner, William G., *Robert Morris*, IV, 29.
- Sumner County (Kans.), creek in, XVI, 246; Whitman, 243.
- Sumrall, —, in Pittsburg, IV, 105.
- Sumter, Gen. Thomas, in Revolution, XIII, 309.
- Sunbury (Pa.), trail, I, 22; Chief Logan in, 128; originally Fort Augusta, 188.
- Sun-dogs, observed by Faux, XI, 41, 42.
- Sun-fish, described by Welby, XII, 156.
- Sunflowers (*helianthus giganteus*), habitat, X, 302, XV, 233, XVI, 93, 229, 230, XXVIII, 102, 184; cultivated, XXIII, 274, 275; blossoms, XXII, 84; healthful, XI, 123; as amulet, XXIII, 314; undescribed species, XVI, 57; dwarffish, XV, 271, 272; wild, XXX, 115; described, X, 303.
- Supple-jacks (*anoplia volubilis*), observed by Nuttall, XIII, 95.
- Suquamish and Toando Indians, population (1839), XXIX, 98.
- Sursee Indians. See Sarcis.
- Surveyors, I, 91, 95, 313, IV, 106, IX, 180, XI, 217; instruments — horizons, XV, 192, XVII, 98, 256; sextants, VII, 240, XV, 192, XVII, 98, XX, 109; difficulties of, III, 227; salaries, XIII, 165; on Arkansas River, 144, 168; in Indiana, IX, 185; Kentucky, III, 36, 200, IV, 175; Massachusetts, XXI, 24; Ohio River, XVIII, 30; Ohio, IV, 215, 323, IX, 104, X, 232; New York, VIII, 178; West Florida, IV, 325; Virginia, III, 48; for Erie Canal, XVII, 179, XIX, 151; president appoints, X, 70; United States, IX, 59, 307, XI, 217, 239, XIII, 165, XIV, 105, 168, XVII, 28, XIX, 61-63; maps, 166. See also Lands.
- Survilliers, Count de, country seat, XXV, 2.
- Susanna (Ohio), described by Woods, X, 234.
- Sushwap Indians. See Shushwap.
- Susquehanna Indians, hunting grounds, I, 90; relations with Delawares, 185; Croghan's mission to, 50; treaty with English, 100; neutral, 186.
- Sussetong Indians, habitat, XXVIII, 153.
- Sutter, John Augustus, commands army, XXX, 89; employs Walker, 190; relations with Wallawalla, 230; sketch, 229, 230.
- Sutton, —, merchant, XIX, 275; relations with Gregg, XX, 197.
- Sutton, G., land entered for, XI, 301; in Washington (D. C.), XII, 59.
- Suwanee, Seminole village, VIII, 172.
- Suydam, Col. —, in Suydamsville (Ohio), IV, 256, 257.
- Swagatchy, Oswegatches in, I, 169.
- Swain, Joel, Quaker, IV, 89.
- Swaine, Charles, in Shippensburg (Pa.), I, 82.
- Swallows, habitat, XXIII, 212, 213; migrations, XXII, 127, 150, 151, XXIII, 170, XXIV, 95; numerous, XXII, 263, 264, 277, 292, 339; observed, 38, XXIII, 182, XXIV, 99; bank (*hirundo riparia*),

SWALLOWS (continued)—

- XIV, 101, 127, XV, 320; barn (*americanus*), 320, XVII, 147; chimney (*pelasgia*), XV, 320, 326; cliff (*lunifrons*), 281, XVI, 39; night, XXIII, 37; purple (*purpurea*), XXIV, 102; (*hirundobicolor*), XXIII, 57.
- Swamps, in Louisiana, IV, 368; Mississippi, 328, 329, 345, 351; water-fowl in, 353.
- "Swan," New York steamboat, XXII, 60, XXIV, 191.
- Swan-apple. See *Psoralea esculenta*.
- Swans (*cygnus*), habitat, IV, 290, VI, 278, 323, XIV, 100, 278, XXIII, 186, 208, 234, XXIX, 51, 254; migrations, XIV, 285, XV, 323, 328, XXIV, 76; numerous, VIII, 306, XIII, 72, XVIII, 201, XXIII, 27, XXVII, 184, XXIX, 206; hunted, VI, 364, XXI, 336, XXIII, 33; price, V, 210; present, XXIV, 88; food, 88, XXVII, 400; Indians personate, XXIII, 328; as symbols, 335; bones, as amulets, 294; eggs, as food, XXVII, 359; feathers, ornaments, VI, 121; dress, XIII, 258; fans, XXII, 68; skins, as amulet, VI, 368, XXIII, 388; ornament, XXII, 224; tails, as fans, XXIII, 328, XXIV, 47; wings, as fans, XXII, 389; observed, 340, XXIV, 85, XXVI, 135, XXVII, 258; described, VIII, 306.
- Swansdown, as ornament, XXIX, 385.
- Swasey-Todd party, route to California, XXX, 89.
- Swedenborgians, in Bethlehem (Ohio), XXIV, 156; Philadelphia, XII, 306.
- Swedes, in Andover (Ill.), XXVI, 307; Philadelphia, IX, 55.
- Sweet-briar, in Pennsylvania, XII, 323.
- Sweet-cicely, abundant, XXVIII, 232.
- Sweet-gum (*liquidambar styraciflua*), III, 59, 62, 75, 77, 83, 230, 302, XIII, 103, 113, 114, XXII, 60; (*bonducs*), III, 73.
- Sweetmeats, Chinese, XI, 45, 48, 51.
- Sweetwater County (Wyo.), river in, XXI, 187, XXX, 73.
- Sweet-williams, in Illinois, X, 302.
- Sweezy, —, Florida planter, IV, 335.
- Sweney, John, with Long, XVII, 12, 98.
- Swift, Gen. Joseph Gardner, at West Point, XIV, 41.
- Swift, Lieut. William Henry, topographer, XIV, 11, 41, XVII, 97; instructions, 88, 103; with Long, XIV, 41, XVII, 180; Bell, XVI, 58, 192; duties, XIV, 43, 249; expedition to Hot Springs (Ark.), 17, XVII, 12, 42-44, 48, 54-58, 63; to Belle Point, XV, 190, 191; Platte River, XIV, 172; Pike's Peak, XV, 275, 314, XVI, 11, 13; on Missouri River, XIV, 278; in Fort Smith, XVI, 186; hunting, XIV, 284, XV, 227, XVI, 231, 256, 257, 261; mishaps, XIV, 17, XVI, 187, 263, 264, 269, 270, XVII, 85, 88, 101; among Omaha, XIV, 269; seeks deserters, XVI, 268; on "Western Engineer," XIV, 18, 157, XVII, 103; in Cape Girardeau, 88, 91; on Cumberland River, 92; in Philadelphia, 93; astronomical observations, XIV, 15, XV, 281, XVI, 11, 27; natural history collections, XVII, 56, 57.
- "Swiftsure," Faux on, XI, 61; in storm, 63, 64.
- Swine. See Hogs.
- Swinomish reservation, site, XXIX, 153.
- Swiss, character, X, 240; industry, XXII, 152; patriotism, XXVI, 223, 224; national air, XII, 317; agricultural methods, X, 241; as emigrants, V, 291, 312, IX, 70, XIX, 119; as trappers, XXVIII,

- 311, 319; in United States, XXII, 11, XXIV, 130; Indiana, V, 316, VIII, 284, IX, 157, X, 42, 239, 240, XIII, 63, XXIV, 142; Kentucky, III, 207; Pennsylvania, 336.
- Switzerland County (Ind.), seat, V, 316, XIX, 42, 68.
- Sword-fish, described by Welby, XII, 160; observed by Pattie, XVIII, 225; in Lake Crow's Nest, II, 119.
- Sybillie, Adams & Company, fur-traders, XXX, 61.
- Sycamores (*platanus occidentalis*), American name for plane tree, XXII, 93; habitat, III, 77, IV, 354, VI, 44, 49, VIII, 221, 279, 295, X, 205, 227, 232, XIV, 70, 85, 90, 144, 173, XV, 182, XVI, 164, 168, XVII, 63, 115, 123, 143, XIX, 44, XX, 254; size, IX, 284, 285, 303, X, 243, XII, 208, XVI, 174, XXVI, 56, 94, 111, 180, 202, 320, XXVII, 23, 71; numerous, VIII, 255, XIV, 160, XVI, 189, XVII, 31, XXVI, 234; fruit, XIV, 70, 71, XVI, 171; observed, V, 255, IX, 121, 159, X, 306, XIII, 139, XXI, 133, XXVI, 51, 60, 163, 234, 275, 293, 296.
- Syene, granite in, XVII, 206.
- Sylvia, XXIV, 99; *aestiva*, XV, 320, XXII, 48, 299; *bifasciata*, XIV, 253; *cærulea*, 253; *celatus*, 252, 253; *coronata*, XXIV, 96; *leucogastra*, XIV, 253; *striata*, XXII, 299.
- Symmes, Capt. John Cleves, scientist, IX, 248.
- Symmes, Judge John Cleves, land proprietor, IV, 256; town named for, XXII, 154.
- Symmes (Ohio), origin of name, XXII, 154.
- Symons, Thomas W., *Upper Columbia River*, VII, 146, XXVII, 373, 375, XXIX, 272.
- Symphoria*, described, XXIV, 22; abundant, XIV, 156, XXIII, 31; observed by Maximilian, 185, 192, 213; *glomerata*, XV, 218; *racemosa*, XIV, 129, XV, 186.
- Syngenesia*, abundant, XXII, 127, XXIII, 233; observed by Maximilian, XXII, 48.
- Syracuse (N. Y.), turnpike, VIII, 118; population, XXIV, 180; transportation centre, 181, 182; sketch, 180.
- Syringa, observed by Maximilian, XXII, 42, 48.
- Sysinbrium amphibium*, observed by Nuttall, XIII, 149.
- Sysirinchium anceps*, abundant, XIII, 202.
- T —, SIR WILLIAM, English capitalist, XII, 60.
- Tabbaquena (big eagle), Comanche chief, XX, 108; relations with Gregg, 109-111.
- Tabbyboos (Tabba-boos), Indian name for white men, XVI, 207; battle with Spanish, 62.
- Tabeau, —, Canadian hunter, XIV, 165.
- Tabeau (Mo.), population, XIV, 165.
- Tabira (Quivira, La Gran Quivira), pueblo ruin, XIX, 301; sketch, 301, 336; history, 303; flax in, 339.
- Taché, Alexandre Antoine, missionary, XXIX, 255; *Vingt Années de Missions*, 240, 255.
- Taco-coqui-pishnee (dauntless), Sioux chief, XXIV, 316.
- Tacubaya, palace of, XX, 236.
- Tadasagatoba, Indian name for four winds, XIV, 298.
- Tadoussac (Can.), II, 192-194.
- Taensa Indians, habitat, III, 272, XIII, 343.
- Taffanel, Jacques Pierre de, governor of Canada, I, 61.

Taganayesy, Wyandot Indian, I, 37.

Tagetoides, III, 80.

Tagnos. See Tanos.

Takuanate Indians, relations with Alvarado, XIII, 337.

Tah-roh-ha (many stags), Iowa chief, XXIV, 316.

Tail-bearer, Piegan orator, XXIX, 353, 354.

Taillon, Joseph Miguel, erects mill, XXVI, 163.

Tajique Pueblo (N. Mex.), salines in, XIX, 311; ruin, 302, 303.

Tálai, Osage chief, XIII, 237, 245, 247, 277; character, 254; orisons, 255; speech, 235, 254; described, 247, 248.

Talbot, —, tavern-keeper, IV, 211, VIII, 73, 75.

Talbott, Hale, settles Loutre Island, V, 47, XIV, 134.

Talc, where found, XVII, 56, 57, 230, 254, 255; in rocks, 188, 224, 247; slate, XXIX, 86; Indian pipes of, XXIII, 107, 108, 124; compact, 100; diaphanous, XIII, 150; observed, XXII, 90; described, XVII, 230.

Talcott, Lieut. Andrew, in Camp Missouri, XV, 136, 194; with O'Fallon, 140.

Taliaferro, Lawrence, *Autobiography*, XXIII, 225.

Talinum, observed by Long, XV, 259.

Tallantusky, (Tollontuskee, Tollunteeskee, Tolontusky, Talootiske), Cherokee chief, XIII, 181, 182, XVII, 24.

Tallequah (Ind. T.), Indian schools in, XX, 307; laws published in, 309.

Tallow, scarcity of, XXIV, 44, 45, 65; exported, XVIII, 151, 226, 276, 349; article of trade, V, 87, VI, 367, XIII, 254-256, XXIX, 94; as food, VI, 372, XIII, 259, XVIII, 248, 264, XXI, 283; candles of, XXIV, 56; buffalo, V, 186; cattle, XXX, 290 (see also Cattle); horse, XXI, 280, 282.

Taloga (Okla.), location, XX, 117.

Talon, Jean Baptiste, intendant of New France, XXVII, 35.

Talpa, rubra americana, XV, 168.

Tama County (Iowa), Foxes in, XXVIII, 142.

Tamarind, in West Indies, XVI, 92.

Tamarisk trees, abundant, XXVII, 338.

Tamaroa (Taumarwaus) Indians, branch of Illinois, XIII, 322, XXVI, 123, XXVII, 35; missions, III, 70; village, XXVII, 39.

Tammeatameah, Hawaiian prince, VII, 59-64, 67, 68, 72, 252.

Tampico (Mex.), commercial port, XX, 224.

Tamulipas (Mex.), governor, XVIII, 362.

Tanagers (*tanagra*), XXII, 80, 81; Louisiana (*ludoviciani*), XV, 319; scarlet (*rubra*), IV, 135, XV, 319, 325, XXII, 81, XXIV, 111, 117, 121, 131; (*erythroryncha*), XVI, 222.

Tanahah-Tabka (white cow), Arikara chief, XXIII, 230.

Taney County (Mo.), White River in, XVII, 26.

Tanica Indians. See Caya and Tonica.

Tanintauei (les gens des Osayes) Indians, affinity, XXII, 388.

Tannehill, —, Cuming visits, IV, 250.

- Tanner, Edward, in Mackinac, XXII, 390.
- Tanner, Henry S., *American Traveller*, XXII, 148; *Canals and Railroads*, 148; *Central Traveller*, 148; *Map of United States of America*, 148; *Map of United States of Mexico*, 148; *New Picture of Philadelphia*, 148; *The World*, 148; *Valley of the Mississippi*, 148.
- Tanner, John, berdash noted by, XXIII, 284; avenges colonist, 353; quoted, 90; *Narrative*, XXII, 390, XXIII, 191; sketch, XXII, 390.
- Tanner, Rev. John, founds Tanner's Station, X, 238.
- Tanner's Station (Ky.), Tanner founds, X, 238.
- Tannghrishon, in Logstown, I, 42.
- Tanos (Tagnos) Indians, stock, XIX, 266; habitat, XVIII, 130, XX, 56; in Pueblo revolt, XIX, 265, 266.
- Tansy, wild, observed by Willard, XVIII, 334.
- Taos (N. Mex.), distance from Fort William, XXVIII, 161; climate, XVIII, 340; cañon near, XIX, 279; mountains, 303, XXVIII, 189; gold mines, XIX, 309; on Santa Fé trail, XVI, 65, XIX, 218, 250; Indians, 232, XX, 72; language, 55; architecture, 63; dress, 65; in Pueblo insurrection, XIX, 264, 265; Spaniards in, XVIII, 337; first settler, XIX, 285; custom house, XX, 236; distilleries, 156; Fourth of July celebration, XVIII, 337; wheat flour, XXVIII, 172; attitude towards Americans, XX, 26, 232, 233; Americans in, XIX, 250; Baird and Chambers, 216; Becknell, 180; Bent, 221, XXVIII, 71; Cooper, XIX, 178; Glass, XXIII, 197; Gonzales, XIX, 274; Gregg, 284; La Tules, XX, 33; Willard, XVIII, 346; Young, XX, 23; sketch, XVIII, 73, XX, 63.
- Taos County (N. Mex.), seat, XVIII, 73; pueblo in, XX, 63.
- Taosa (Tigua) Indians, stock, XIX, 266; tribes, XX, 63; pueblos, XIX, 303; valley named for, 284; revolt, 267.
- Tapaetaje Indians, Omaha band, XV, 117.
- Tapeo, Chinook Indian, XXI, 340.
- Tapoussas Indians, population, XIII, 357.
- Tappage Indians, Pawnee band, XV, 145, 350; habitat, XIV, 233; poverty, XV, 350; present to chief, 148; division of Pawnee, XX, 337.
- Tappan, Lewis, anti-slavery supporter, XXIV, 192.
- Tapuya Indians, method of swimming, XXIII, 291; comparison with North American tribes, 289.
- Tar, as a remedy, XXX, 49; in Kentucky, III, 90.
- Tarantulas, described by Gregg, XIX, 328.
- Tarascon, —, in Louisville (Ky.), IV, 260.
- Tardiveau, Pierre, merchant, III, 18, 38, 39.
- Tares, cultivation of, XI, 140; quality, XII, 94.
- Targuarcha, Apache Indian, XVIII, 174, 175, 177.
- Taritiwishta, Pawnee chief, XV, 145.
- Tarleton (Ohio), Cuming in, IV, 221.
- Taro (calf-foot root), article of trade, VI, 211, 227, VII, 59; as food, VI, 221, VII, 64; dried, VI, 287; described, 221, 222.
- Tarrarecawaho, Pawnee chief, XV, 143, 145; present to Ongpatonga, 125; relations with O'Fallon, 143-149; Petalesharoo, 161; at medicine feast, 204. See also Long Hair.
- Taruchiorus, a Wyandot, I, 37.

Tasinda (bison tail) Indians, Omaha band, XV, 117.

Tasone. See White Chief and White Cow.

Tasse, Joseph, *Canadiens du Nord-Ouest*, XXII, 257; *Canadiens de l'Ouest*, VI, 282; *Langlade*, II, 185.

Tasucamin, Indian chief, I, 220.

Tatalicoya Indians, De Soto with, XIII, 328.

Tatanka-Kta. See Dead Buffalo.

Tateron, Louis Labaume de, sketch, V, 250, 251.

Tatogan (antelope, or cabri), Assiniboin chief, XXIII, 147.

Tatooirah, son of Tammeatameah, VII, 65.

Tatsika-Stomik (bull from the centre), in Fort McKenzie, XXIII, 153; dress described, 158; relations with Mitchell, 142, 157; demands brandy, 155; advises Maximilian, 164.

Taumarwaus Indians. See Tamaroa.

TAVERNS: scarcity of, III, 18, V, 293, XII, 272, XX, 150, XXVII, 53; numerous, V, 301, XII, 191, 213; isolated, IX, 162, XI, 287, XXIV, 125; crowded, IX, 76, 77, XXII, 156; licenses for, IX, 231, XII, 120, XXI, 36, XXII, 182; European and American compared, X, 262, XI, 38, 164, XII, 196, 226, XIX, 134, 154, XXII, 43; hotels in cities — Baltimore, XI, 111; Boston, 55, XXII, 41, 50; Charleston (S. C.), III, 122, XI, 65, 72, 89, 92, 98, 104; Cincinnati, IX, 239; Cleveland, XXIV, 159; Detroit, VIII, 81; Lexington (Ky.), IV, 182, 183, 188, IX, 132, XII, 14, 221, 274; Louisville, XI, 196, XII, 226; New Orleans, IV, 363; New York, XI, 159, XII, 166, XIX, 154, XXII, 56; Philadelphia, XI, 107, 160, 164; Pittsburg, IV, 76-78, 246, 249, 255, IX, 87, X, 217, 218; Providence, XXII, 53; St. Louis, XXI, 44, XXIV, 125, XXVI, 164; country taverns — described, IV, 39, 47, 50, 59, 62, 73, IX, 161, 162, XI, 14, XII, 18, 233, 234, 272, XIII, 42; accommodations, III, 138, 139, 169, 172, 214, 294, IV, 59, 340, VIII, 49, 50, 54, IX, 70, 71, 73, 76-78, 80, 98, 104, 117, 161, 162, 243, 312, X, 36, 53, 55, 93, 198-204, 220, 258, XI, 55, 89, 165, 173, 183, 194-199, 200-205, 211, 213, 217, XII, 15, 182, 188, 191, 232, 249, 271, 272, 283, XIII, 49, 286, XIX, 134, 149, 154, XXI, 129, 134, XXII, 43, 72, 141, XXIV, 135, 140, 141, XXVII, 106; in Mexico, XVIII, 310-312, XX, 173, 198; prices, III, 86, 90, 91, 172, 266, IV, 34, 75, 238, IX, 130, X, 64, 83, 198, 204, 215, 218, 219, XI, 73, 80, 171, XII, 16, 22, 164, 166, 169, 177, 213, 221, 226, 231, 270, 272, 289, XIII, 317, XVIII, 310; food, III, 147, IV, 159, 330, 339, 340; sale of liquor in, III, 294, VI, 40, IX, 70, 73, 74, 77, XII, 168, 182, 226, XXII, 44, XXVI, 235; manners and customs in, III, 42, 43, 103, 139, 147, 154, 169, 214, 216, 217, 247, 248, IV, 59, 62, 63, 112, 175, 222-225, 229-232, 234, 238, 315, 317, 319, 327, 330, 339, 352, IX, 35, 62, 79, 87, XII, 181, 196, 213, 214, 222, 327, XIII, 49; gambling in, IV, 33, 363, IX, 104; as social centres, III, 261, IV, 11, 12, 33, 39, 41, XII, 199, 226; sign-boards, IV, 34, 36, 39, 97, 104, 121, 191, IX, 106, XII, 315, XXII, 124, 153; bells, IV, 260, IX, 129; registers, XI, 174; Germans refused admission, XXII, 84; landlords, X, 61, 313, XXVII, 105; half-breeds, XXIV, 163; farmers, XI, 74, 183, 200-205, XXII, 94, XXIV, 182; physicians, XII, 293; soldiers, IX, 294, 302, 303; English, IV, 47, 52; Germans, 50-52, XXII, 116; Irish, IV, 52; Jewish, XXII, 117; character of, IX, 201, 219, 299, 304, XII, 11, 14, 167, 227, 272, XXVI, 235, 237; manners, civil, IX, 100, 101, 312, XI, 224, 276, XXVII, 32; inhospitable, IX, 70, 77, XII, 182, 187, 188, 190, XXI, 35; extortionate, IX, 219, XI, 145, XII, 22; gains and losses, 187, 226; service in, IX, 108; boarding-houses, 33, XII, 75, 166, 257, XIX, 122; coffee-houses, IV, 188, 363, XII, 166, 321, XVIII, 33, 312, XX, 173, 192; grog-shops, XIX, 131, XXI, 134, XXIV, 141, XXVI, 76, 256 (see also Liquors); oyster-cellars, XII, 299; stage-stations, XXIV, 138, 139; steamer-hotels, VIII, 258, XI, 197.

Location: in Alabama, XII, 75; Arkansas, XIII, 96-98, 100, 108, 158, 286; Illinois, VIII, 292, X, 107, 130, 153, 254, 256, 259, 271, 272, XI, 252, 261, XII, 243, 257, XXII, 200, XXVI, 132, 137, 225,

235, 241, 242, 297, 300, 301, 304, 330, 368-370, XXVII, 19, 32, 104; Indiana, V, 315, IX, 164, X, 58, 62-64, XI, 205, 207, 211, 225, 249, 287, XII, 11, 12, 227, 237, 260, 262, 271, XIII, 62, XXIV, 135, 141; Kentucky, III, 89, 92, 196, 199, 210, 213, IV, 158, 159, 172, 174, 176, 180, 182, 190-193, 195, 196, 198, 200, 275, IX, 127, 129, X, 64, 65, XII, 14, 15, 212, 214, 222, 225, 275; Louisiana, IV, 327, 330, 337, 339, VIII, 61; Maryland, XII, 289, 291; Massachusetts, XXI, 23; Mississippi, IV, 311, 315, 316, 318-321, 331, 346, 348, 349, XIII, 298, 307; Missouri, IV, 283, VI, 43, XIV, 140, 148, 164, XXI, 132, 135, XXIV, 124, 126, XXVI, 262; New Jersey, IX, 51, XII, 164, 167; New York, VIII, 178, IX, 320, XIX, 143, 144, 149, XXIV, 161, 165, 177, 178, 180, 184, 186; North Carolina, III, 100, 104; Ohio, 184, 371, IV, 122, 125, 127, 130, 151, 160, 203-205, 207, 209-211, 213, 215, 219-229, 231, 232, VIII, 84, IX, 102, 113, 118, 299, X, 39, 76, 224, 227, 230, 234, XI, 172, 183, XII, 16, 207, XXIV, 155, 156; Oregon, XXX, 120, 121, 159, 296; Pennsylvania, III, 28, 50, 135, 138-140, 142, 147, 153, 155, 156, 326, 327, 365-369, 370-373, IV, 34, 36, 39, 42, 43, 47, 50, 51, 56-59, 61, 69, 72, 73, 75, 97, 99, 100, 237-239, 241, IX, 69, 71, 76, 78, 80, 89, 94, 100, X, 208, 210-212, 214-216, 353, XII, 19, 195, 197, 276, 283, XIII, 41, 48, 49, XXII, 77, 85, 91-94, 97, 99, 101, 102, 104, 106, 116, 119, 120, 126, 131, 134, 138; South Carolina, III, 53, 103, 118; Tennessee, 86, 217, 266, VIII, 75; Virginia (including W. Va.), III, 172, 371, 372, IV, 104, 112, 113, 121, 234, 236, IX, 101, 103, 106-108, X, 200, 201, 203, 205, 206, XIII, 51, XXII, 146; among Indians, VIII, 55, 56, 72, XXVIII, 127; at Fort William (Ont.), VI, 387; listed by Harris, III, 371-373.

Taweemin (Gooseberry), Fox chief, XXIV, 316.

Taxes. See Economic Conditions, taxes.

Taylor, —, Episcopal rector, IV, 84, XXVI, 199.

Taylor, Capt. —, superintendent of penitentiary, IV, 195.

Taylor, Col. —, in Washington (D. C.), XII, 56.

Taylor, Dr. —, English reformer, X, 25.

Taylor, Gen. James, founds Newport (Ky.), X, 237, 238; rents salt works, XIV, 82; on Cascades, XXX, 152, 153.

Taylor, Col. Richard, tavern-keeper, XII, 222; sketch, 222.

Taylor, William, settles Rome (Ind.), X, 246.

Taylor, Gen. Zachary, in Fort Harrison, X, 268; Fort Pickering, IV, 294; Mexican War, XVIII, 347, 363; father, XII, 222.

Tayon, —, in New Mexico, XX, 25.

Tazewell County (Ill.), village in, XXVI, 129.

Tchataqua mani (little crow), Sioux chief, XXIV, 316.

Tchatka (Gauche, left-handed; You-hah, man that has a knife), in battle of Fort McKenzie, XXIII, 204.

Tchinoux language, Catholic prayers translated into, XXVII, 387.

Tea, cultivated in Indiana, XI, 228, 284; as a beverage, VII, 179, VIII, 55, 67, IX, 161, X, 257, 337, XI, 51, 73, 78, 79, 288, 299, XII, 99, XIX, 139, 189, XXI, 127, 367, XXII, 285, XXIII, 277, XXIV, 89, XXVI, 323, XXVIII, 56, 172, XXIX, 267; quality, XI, 252; scarcity of, 246, XII, 11; commerce in, III, 192, 203; as a supply, V, 299, XI, 45, XII, 157, XVI, 42, XXVIII, 258, 308, XXIX, 169, XXX, 148, 260; present, VI, 214, XXVIII, 347; article of trade, VII, 37, VIII, 43, X, 59, 212, 337, XI, 46, XXIX, 60; prices, IX, 31, 135, X, 108, XII, 22, 238, XXX, 57; as a remedy, XXIV, 34; substitute for, XVII, 51.

Tea, Oswego (*monarda*), cultivated, XXII, 69.

Teal, in Mississippi River, IV, 290; blue-winged (*anas discors*), XV, 323.

- Tecumseh, Shawnee chief, VIII, 286, XXII, 200; tribe of, XXVI, 68; conspiracy of, V, 227, XII, 49, XIX, 66; in War of 1812-15, VIII, 204, 205, 212; Battle of Thames, 227, XXVI, 216; interview with Harrison, XX, 286, 287, XXIV, 138.
- Teedyuscung, I, 186; in Easton, 196; Fort Allen, 187; Kuskuskia, 195, 196; Wyoming, 179, 215; treaty with English, 186, 198, 215.
- Tehua (Tegua) Indians, revolt of, XIX, 266, 267; language, XX, 56.
- Teignmouth, Lord, XII, 113.
- Teipana (N. Mex.), Indian pueblo, XVIII, 86.
- Telescopes, Indian superstition regarding, XXIII, 344; purchased, X, 151; equipment, XXII, 252, 283, XXIII, 48, 195.
- Tellico (Tenn.), Cherokee treaty signed in, XIII, 181.
- Tellier, —, Indian agent, V, 85.
- Temperance. See Liquors.
- Temple (N. H.), Evans in, VIII, 106.
- Tenass, —, farmer, XIII, 101.
- Teniers, David, artist, XXVII, 199.
- Ten Mile Lick (Pa.), Weiser in, I, 23.
- Tennessee, situation, III, 271; area, 271; topography, XVII, 105-107; boundary, III, 216, 219, 255, 267, 284, VIII, 276, 312, XIX, 94; Cumberland district, III, 229; mountains, 272, 287, IV, 68, VIII, 308, XXVI, 146; rivers, I, 135, 136, III, 182, 271, IV, 292, V, 237, 274, VIII, 276, 292; climate, III, 276; forests, 262, 268; coal, XIV, 57; limestone, 66; character of soil, III, 175, 228, 254, 280, XIV, 170; water scarce, III, 273; iron, 273; pigeon roosts, XI, 236; mosquitoes, VIII, 308; plants, III, 95, XVI, 128, XXVIII, 154; meteorology, III, 381, IX, 246; Indians, I, 34, 75, IX, 137, XIII, 347, XVII, 17; roads, III, 46, 56, 60, 217, 282, IV, 112, 169, XXVI, 76; settlements, III, 17, 57, 61, 93, 193, 282, X, 266; population, III, 161, 281; emigration and immigration, 93, 274, V, 298, X, 44, 317, 327, XIII, 147, 195, XIV, 150, 169, XV, 175, XVIII, 329, XIX, 80, 189, XXX, 173; manners and customs, III, 210, 282, VIII, 344; quacks, III, 197; military, 95, VIII, 172, X, 356; lands, III, 274, 279, XIV, 105; fruit, III, 269; manufactures, 58, 63, 149, 202, 278, 279, IV, 97; commerce, III, 203, 252, VIII, 281, X, 208, XI, 151; banks and currency, III, 204, IX, 133, 219; prices, III, 251; taxes, 279; highway robbery, XI, 293; method of voting, IX, 256; admitted to Union, III, 93, 161, 271; probable division of, 281, 282; counties, 46, 57, 58, 93, 259, 265; travellers in — Alexander, IV, 204; Billingsley, XVII, 13; Birk, X, 126; Bledsoe, III, 60; Blount, 59; Buttrick, VIII, 75; Carter, III, 98; Checks, 217; Evans, VIII, 303-305, 307; Fisk, III, 253; Guest, V, 278; Hays, III, 93; Hicks, IV, 306; Lashley, 207; Looney, III, 96; McCary, XI, 294; Martin, XIV, 175; A. Michaux, III, 16; F. A. Michaux, 188; J. Overton, 98; W. Overton, XXX, 166; Robertson, III, 62; Savary, 198; Shaw, XXX, 174; Smith, III, 256; Tipton, 57; Dr. Walker, 45; Joel Walker, XXX, 190; Joseph Walker, 70; D. Wilson, III, 55; Z. Wilson, 55; Winchester, 61; Wright, X, 155; *Nashville Gazette*, III, 251.
- Tenny, Dr. Caleb J., Connecticut Association instigated by, XXVI, 307.
- Tents, as equipment, XIV, 157, XV, 194, XIX, 212, XXI, 33, XXX, 12, 259; used, I, 248, 289; exchanged for mule, XVI, 202; skin, XXVIII, 341.
- Teoyamiqui, Mexican goddess, XVIII, 371.
- Tepache (Tepac, Mex.), gold mines in, XVIII, 149.
- Tequesquite, water impregnated with, XX, 159.
- Terasse, —, tavern-keeper, IV, 188, 189.

- Terebinthine trees, habitat, XXVIII, 372, 373.
- Terebratula, XVI, 245; where found, IX, 127, XIV, 150, 170, 171, XVI, 41; described, XIV, 143, 171, 222, 223, 228, XXVI, 70; observed, IX, 287, XIII, 41, 47, 60, 66, 67, 219, XV, 288, 302; *ovata*, XIV, 171; *subundata*, 171, 222, 223.
- Terns, black-headed, habitat, XIV, 122; marsh (*sterna aranea*), XV, 323; minute (*minuta*), XIV, 79, XV, 323, 327, XVI, 120.
- Terre Haute (Ind.), origin of name, X, 330; Wea village on site, 268; location, 270; roads, XXVI, 359; railroads, 120; canals, 66; Mormons, 334.
- "Terror," Back on, XXII, 296.
- Tessan (white crow), Omaha chief, XXIV, 316.
- Testacea, where found, XXVII, 110; observed by Flagg, XXVI, 73; Say's history of, XXII, 171.
- Tetobasi. See Sans Oreille.
- Teton Basin, originally Pierre's Hole, XXI, 63.
- Teton Forest Reservation (Wyo.), mountains in, XXI, 209.
- Teton (Titoan) Indians, habitat, XXII, 305; branch of Sioux, XIV, 233; bands, XXII, 326; vocabulary (Dakota branch), XXIV, 226; character, XIV, 265; villainy, V, 134; hostility, 36; wanderings, XXX, 60; religious belief, V, 222, XXIII, 361; dress, XIV, 264, 265; river named for, XXIV 45; population, V, 104; portrait, XXII, 332; described by Maximilian, 326, 327, 329; alliance with British traders, V, 104; on "Assiniboin," XXII, 329; in Fort Pierre, 318, XXIV, 88; sketch, V, 104; Bois Brulé Tetons, 103, XXVIII, 153; Minnekincazzo, V, 103, XXVIII, 153; Okandandas, V, 104, 109, 110, 113, XXVIII, 153; Sahone (Sahonie), V, 104, 113, XXVIII, 153.
- Tetradactyla, lacepede*, characteristics, XIV, 46.
- Tetradynamia*, new species observed by Nuttall, XIII, 193; abundant, XXIV, 91.
- Tetrao phasianellus*, habitat, XXIV, 44; *pratensis*, XXVI, 183; *tetrix*, XV, 303.
- Teucrium canadense*, III, 29, 30.
- Tew trees, abundant, XXIX, 87.
- Tewaarouchte, Pawnee religious band, XXIX, 395.
- Texas, Ozark Mountains in, XVII, 176; rivers, XVI, 105, 130, 138, XVII, 234, XX, 213, 218; Caddo Lake, XVII, 71; Great Western Prairie, XX, 238; Grand Saline, V, 194; mesquite trees, XIX, 297, XX, 248; animals, XVIII, 194, XX, 260-262; boundaries, XIV, 16, XVI, 85, 133, 181, 233, XVII, 86, XVIII, 75, XIX, 166, 217, 278, XX, 60, 108, 115, 121, 284, XXIX, 232; relations with Indian tribes, XIII, 133, XVII, 71, XIX, 271, XX, 127, 233, 342, 347, 348, 349, XXII, 96, XXVIII, 122, 133, 137, 138, 140, 141, 149, 150, 165; colonization, V, 251, 252, XVIII, 366; struggle for independence, XIII, 182, XVIII, 363, 367, XIX, 17, XX, 205; relations with New Mexico, XVIII, 310, XIX, 166, 276, XX, 225-236; disorders, XVI, 208, XVIII, 365, 366, XIX, 207; relations with United States, XX, 234; annexation, 235; lands, XVIII, 313, 366, XIX, 278; Santa Fé expedition, 165, 256, XX, 26, 27, 84, 141, 188, 205, 206, 222, 235, 238, 239; Arkansas expedition, 225; Nolan's, XVII, 76; in War of Secession, XX, 151; capital, 255; Connelly in, 250; Cook, 232, 234, 235; Gibbs brothers, XIII, 215; Hunter, XVIII, 368; La Salle, IV, 298, XIII, 117, XXVII, 40; McDaniel, XX, 228; Tonty, XIII, 140; State Historical Association *Quarterly*, XVIII, 365.
- Texas County (Mo.), Currents River in, XVII, 37.
- Tezuque Pueblo, language, XX, 56.
- Thalia dealbata*, observed by Nuttall, XIII, 269.

- Thalictum dioicum*, observed by Long, XIV, 62.
- Thanachrishon (Thanayieson), Seneca chief, in Logstown, I, 33-35; criticizes Washington, II, 63.
- Tharachiawagon, Indian name for Weiser, I, 39.
- Thermometers, as equipment, XV, 192, XVII, 99; stolen by Indians, XXIV, 57.
- Thibault, Rev. Jean Baptiste, Indian missionary, XXIX, 230, 231; in Athabasca, 255; among Cree, 236; Blackfeet, 408; Blood, 358; at Red River, XXVII, 391; St. Anne, XXIX, 249; relations with De Smet, 231, 250.
- Thickwood Stoney Indians, dialect, XXIX, 220.
- Thiebaut, —, boatman, XXIII, 167, 171.
- Thing, Capt. —, with Wyeth, XXI, 141, 276, 291, 326; hardships, 277, 292, 326, 328; skirmish with Blackfeet, 327.
- Thioux Indians, incorporated with Natchez, XIII, 342.
- Thistles, habitat, XIV, 75; abundant, XXVIII, 219; stalks eaten, 235; sow-, X, 304; observed, XXII, 83.
- Thlakalamah, Willamette village, VI, 246, 247.
- Thomas, —, accompanies Woods, X, 245, 251.
- Thomas, Col. —, farmer, XI, 152-154.
- Thomas, Cyrus, *Mound Explorations*, XXI, 40, XXIV, 128, XXVI, 69.
- Thomas, Mrs. Cyrus, *Bibliography of Earthworks of Ohio*, XXIV, 148, 149.
- Thomas, J., patents floating dock, XXVI, 161.
- "Thomas H. Perkins," on Oregon Coast, XXIX 100.
- Thomez Indians, habitat, XIII, 357.
- Thompson, —, in Boston, XII, 122.
- Thompson, Anthony, Pittsburg pioneer, IV, 251.
- Thompson, David, explorer, V, 156, VI, 253, 254, 295, VII, 159, XXII, 375; in North West Company, VI, 252; builds forts, VII, 199, 210, XXIX, 41; commands post, 235; discovers pass, VI, 353, XXIX, 30; rivers, VI, 364, XXIX, 218, 265; names rivers, VI, 346, 348, 350, XXIX, 202; measures mountains, 29; among Mandan, XXIII, 253; on Upper Columbia, VI, 352, XXIX, 203, 206, 266; relations with Astoria, VII, 101, 102, 115, 120, 121, 125, 126, 138, 139, XXIX, 56; meets Henry, VI, 313; exchanges men, 260, VII, 125, 126, 200; *Journal*, XXIX, 195; sketch, 29.
- Thompson, George, Englishman, XI, 102, 193.
- Thompson, John B., with Lewis and Clark, XXIII, 69.
- Thompson, Miriam A. (née Robinson), Oregon pioneer, XXX, 141, 142.
- Thompson, Philip, Santa Fé trader, XXVIII, 52.
- Thompson, Smith, secretary of navy, XV, 165, 166.
- Thompson, Waddy, minister to Mexico, XX, 235.
- Thomson, —, fur-trader, XXVIII, 229, 251.
- Thomson, Charles, in Wyoming, I, 179; *Enquiry*, 182.
- Thomson, James, Scotch poet, XXVI, 70, 325, XXVII, 97.
- Thomson, Dr. Samuel, advocates baths, XX, 334.
- Thorn, James, coxswain on "Tonquin," VI, 195, 227; punishment, VII, 56.
- Thorn, Capt. Jonathan, commands "Tonquin," VI, 194, 195, VII, 165; character, VI, 407-410, VII,

- 44, 45; cruelty, VI, 227, 228, VII, 73, 74, 163, 164; lacks judgment, VI, 292, VII, 82, 171; despotic, 75-77, 80, 81; obstinate, VI, 230; quick tempered, VII, 66, 67; contempt for literary passengers, VI, 363; good qualities, VII, 171; ability, 87; Franchère portrays, VI, 16, 204, 205; Ross, VII, 12, 13; expedition to Astoria, VI, 174; instructed by Astor, VII, 234; at Hawaii, VI, 213; relations with Astorians, VII, 47, 50-58; with Indians, 61, 166, 167, 169; in Astoria, 164; on Cape Disappointment, 83; explores Columbia, VI, 239; massacred, 291; correspondence, 410; sketch, 194.
- Thorn-apples (*datura tatula*), habitat, XXII, 128, 147, 159; blossoms, 62, 89, 90.
- Thornburg, —, tailor, in Fort William, XXI, 323; character, 324, 325; pass named for, 241.
- Thorn-bushes, habitat, XXX, 292; abundant, XXI, 264, XXIII, 64, 65, 79, XXIX, 51, 246; as fences, XII, 68; observed, XXI, 281, XXVIII, 63; described, VIII, 284; pulpy-leaved, XXI, 264.
- Thornton, J. Quinn, *History of Provisional Government*, XXX, 214; *Oregon and California*, XXIX, 33, 35, XXX, 250.
- Thornton, Dr. William, message to, XII, 91, 92; sketch, 122.
- Thortonsburg (Mo.), location, XIV, 159.
- Thrall, Augustus, settlement named for, XV, 177.
- Thread, of sinews and bark, VIII, 191; silk and tinsel, XIX, 340.
- Three Crossings (Narrows) of Sweetwater River, described, XXX, 68, 69.
- Three Islands (Ky.), settlement, III, 35.
- Three Legs, Delaware Indian, VIII, 263.
- Three Legstown (Ohio), location, VIII, 263.
- Three Rivers (Trois Rivières, Can.), Indians in, I, 169; described, IX, 328; governor, I, 114; industries, II, 35, 36, 74; sketch, 35, 36, IX, 313.
- Three Rivers (Mass.), Kelley in, XXI, 24.
- Three Springs (Pa.), Weiser in, I, 22.
- Thresher (fish), attacks whale, XII, 160.
- Thrushes (*turdus*), habitat, XXII, 195, XXIII, 199, XXIV, 85, XXVI, 355, XXIX, 51; numerous, VI, 109; observed, XXI, 150, XXII, 88, XXVIII, 63; brown (*fuscus*), XV, 320, 325; ferruginous (*rufus*), 320, 325; fox-colored, XXII, 74; golden crowned (*auropapillus*), XV, 320, 325; red-breasted (*migratorius*), 320, 325, XXII, 384; water (*aquaticus*), XV, 320, 325.
- Thummel, A. R., *Mexiko und die Mexikaner*, XX, 73.
- Thunder-storms, severity of, IX, 33.
- Thurman, Caroline, in Ohio, XXX, 142.
- Thwaites, Reuben Gold, *Black Hawk War*, XXI, 123, XXII, 217, XXVI, 282; *Daniel Boone*, II, 189, V, 43, XIV, 235, XXVI, 215; *Day on Braddock's Road*, III, 155; *Division of the Northwest*, VIII, 235, XIX, 53; *Early Lead Mining*, V, 249, XXII, 226; *France in America*, XXVI, 149, XXVII, 78; *How George Rogers Clark won the Northwest*, I, 73, II, 177, III, 155, V, 249, VI, 395, VIII, 231, 235, XVIII, 30, XIX, 29, 53, XXI, 123, XXII, 217, 226, XXIV, 136, XXVII, 62, 91, XXVIII, 141; *On the Storied Ohio*, III, 34, 35, 155, 159, 186, 337, 338, IV, 101, 103, 104, 112, 129, V, 316, IX, 110, X, 223, XIX, 29, XXI, 42, XXVI, 78; *Rocky Mountain Exploration*, V, 114, VI, 185, 187, 360, VII, 33; *Stories of Badger State*, II, 187; *Story of Mackinac*, 51, 177, VI, 395, VIII, 231; editor, *Hennepin's New Discovery*, VIII, 228, XIX, 46, 47, 49, 218, XX, 290, XXVII, 39; *Jesuit Relations*, VI, 383, VIII, 184, XIX, 45, XX, 257, 322, XXIII, 284, XXVII, 35, 36; *Lahontan's Voyages*, XXIV, 178; *Lewis and Clark Journals*, II, 133, V, 39, 91, 104, VI, 259, VII, 103, 113, 118, VIII, 296, XIV, 124, 218, 249, 287, 321, XVIII, 32, 53, 100, 141, 142, XIX, 62, 327, XX, 285,

THWAITES (continued)—

- XXI, 23, 79, 247, 285, 289, 291, 305, 307, 362, XXII, 217, 227, 236, 255, 256, 278, 366, 368, 399, XXIII, 33, 46, 64, 65, 69, 71, 73, 77, 84, 220, 222, 231, 278, 301, 313, 334, 339, 346, 347, 362, 367, 376, XXIV, 20, 22, 35, 87, 110, 117, XXVI, 117, XXVIII, 111, 263, 274, 353, 367, 371, 373, 378, XXIX, 34, 79, 117, 148, 161, 196, XXX, 156, 161, 198, 199, 203, 204; *Withers's Border Warfare*, XXIV, 154; and Kellogg, *Dunmore's War*, XIV, 64, XXIV, 148.
- Thyme, scarcity of, X, 303; aromatic, XXVI, 183; European, XXII, 85; observed, XXVI, 286.
- Tianto, Nilco Indian town, XIII, 332.
- Tibbitts, Calvin, tinker, in Oregon, XXIX, 19, 159, XXX, 193; founds mission, XXVII, 388; sketch, XXI, 73.
- Tichinga, Minitaree Indian, XXIV, 17.
- Ticks (*acarus sanguisugae*), abundant, XIII, 183, 212; troublesome, III, 299, XVI, 145.
- Ticonderoga (N. Y.), limestone in, XV, 182; battle, I, 112, 153.
- Tiger-cat. See Lynx.
- Tigers, habitat, XXVII, 178, 183; hieroglyphic figures, XXVI, 77.
- Tikatok, Cherokee chief, XVII, 24; village of, 23; sketch, XIII, 278.
- Tiles, as building material, XXIV, 155.
- Tilki, Indian chief, described by Townsend, XXI, 346; with Wyeth, 285, 286; death, 358-360.
- Tillamook (Kilamook, Kilamuke, Killamuck, Killamux, Klemook) Indians, habitat, VII, 102; flatten heads, XXI, 303; traditions, XXIX, 116; religious beliefs, 125, 126; ransom captives, VI, 258; described, XXX, 196; sketch, VI, 258.
- Tillamook County (Oregon), cape in, XXX, 193.
- Tillandsia usneoides*, III, 302.
- Tilma, Indian cloak, XX, 39-42, 65; described by Gregg, 64.
- Tiloukaikt (Aliquot), Cayuse chief, XXX, 106, 107, 109.
- Tilton, —, fur-trader, XXIII, 225, 226-228.
- Tilton, Asa Currier, aid acknowledged, XXII, 20; translations of Maximilian's Indian vocabularies, XXIV, 199-314, 318-322, 345, 346.
- Tilton & Company, fur-traders, XXII, 233, XXIII, 225.
- TIMBER (Forests, Lumber and Lumbering, Trees, Wood), III, 171, 190, V, 295; abundant, IV, 227, V, 266, X, 101, XIII, 216, XIV, 229, XVI, 160, XX, 153, XXI, 125, 132, 135, 150, 239, XXII, 166, XXVI, 330, XXVIII, 155, XXIX, 46, 47; scarce, IV, 221, V, 239, 267, VI, 50, 67, 69, 75, 89, 90, 111, 133, 338, VIII, 284, XI, 244, XII, 100, XIII, 246, 252, 265, XIV, 183, 184, 229, 260, XV, 197, 198, 234, 240, XVI, 65, 66, 82, 94, 229, 233, 236, 237, XVIII, 334, XIX, 56, 193, 201, 243, 296, XX, 117, 227, 249, XXI, 129, XXIII, 241, XXVI, 209, XXVII, 153, 214, XXVIII, 78, 103, 110, XXIX, 47; studied by Evans, VIII, 193; the Michauxs, III, 12, 14, 15; compared with European, XIX, 133, 136, 138; destruction and decay, III, 327, V, 310, X, 210, XV, 166, 167; method of clearing, IX, 233; size of trees, III, 175, 176, IV, 304, VII, 89, XI, 213; petrified, XIII, 67; planted for shade, XXII, 131; connected with agriculture, III, 228, 229, XI, 264; drift-wood, IV, 291, VII, 154, X, 247, XXIX, 285; felling and lumbering, VII, 90-92, IX, 60, XVII, 121, XVIII, 342, XIX, 120, 333, XXII, 98, 123, XXIV, 183, XXVI, 202, XXVII, 45, XXIX, 65; transportation, IV, 356, XIX, 65 (see also Rafts); marketing, III, 122, VI, 337, VIII, 220, 269, IX, 149, 331, XVII, 126, XVIII, 364, XXI, 28, XXII, 98, 151, XXIX, 24, 26, 60, 94, XXX, 218; as building material, III, 134, 136, 139, 194-196, 213, 250, 266, 270, IV, 28, V, 210, IX, 102, 109, 150, X,

191, 201, 227, 241, 254, XI, 99, 264, XIV, 136, XIX, 35, 64, 101, 336, XXII, 98, 106, 131, 134, 138, 140, 145, 239, XXIV, 12, XXVI, 166; for shipbuilding, III, 160, 335, VIII, 268; other uses, III, 173, 219, XV, 77, XIX, 341, XXIV, 47, 52, XXVIII, 68; prices, X, 42, XII, 164, XXII, 167, XXX, 219; wood-cutters, III, 185, XXII, 99, 135, 292, 295, 297, 333, XXIII, 208, XXIV, 55, 56, 58, 98; values, V, 308, VIII, 193, 220, 269, XXII, 205, XXIX, 62, XXX, 219; wood-yards, XXVI, 90, 101; stolen, XXII, 106, 109; varieties, VIII, 268, 269, XXII, 244 (see also the several varieties).

Localities: Alleghany Mountains, IV, 73; Brunot Island, 93; Cedar Island, VI, 46; Chehalis valley, XXIX, 81; Columbia River, VII, 117, XXX, 211; Detroit River, VIII, 209, 215; Florida, IV, 333; Fort Pierre, XXII, 332; Gasconade River, XVIII, 33; Illinois, III, 72; Kentucky, 38, 274, VI, 398; Lake Erie, VIII, 185; Louisiana, VI, 155, 156; Mississippi, IV, 345, 351; Mississippi valley, 356, V, 239; Missouri River, VI, 81, 86, 147, XVII, 121, XXIV, 111; New York, VIII, 178, 179, 181, XXIV, 184; Ohio, IV, 102, 216, 232, VIII, 268; Ohio valley, III, 174, 175; Oregon, VII, 97, XXIX, 76, 94, 95, XXX, 195, 204, 206, 292; Pennsylvania, IV, 30, 37, 68, 250; South Carolina, III, 123; Washington, XXIX, 65; Young's River, XXX, 199.

Tin, article of trade, XIV, 307, 310, XXI, 32; imported, III, 203; supplies, XII, 158, XXI, 279, XXX, 259; stolen, XVI, 116, XXX, 209; New Mexican mines, XVIII, 375; shops, XXX, 218.

Tinneh (Déné) Indians, habitat, XXVII, 307; branches, XXIX, 253, 277.

Tiohero (Montezuma) marshes, XXIV, 179.

Tipi (Mex.), Pattie in, XVIII, 309.

Tippecanoe (Ind.), Shawnee in, XXII, 200; battle of, VIII, 173, 200, 205, 285-287, IX, 120, 278, X, 268, XIII, 68, XXII, 160, 177, XXIV, 138.

Tipton, Col. John, Tennessee pioneer, III, 57, 98; visited by A. Michaux, 104.

Tirawaat, in Indian legend, XXIX, 384, 386.

Tisagechroanu Indians, on Lake Frontenac, I, 31; receive present, 42.

Titanium, in Pennsylvania, XIII, 36.

Titmice, *articapillus*, XXII, 166; *bicolor*, 166; black-capped, XV, 320, 326; coal, XXIII, 208, XXIV, 23, 31, 95.

Tittsworth, John, settlement, XVII, 15.

Tjolzhitzy (big face), Flathead chief, greets De Smet, XXVII, 141; baptized, 251.

Tlaquillaughs, Indian medicine men, VII, 286-290, 302.

Tlascala Indians, ferocity of, XVIII, 370.

Toadflax (*antirrhinum linaria*), observed by Maximilian, XXII, 88.

Toads, abundant, XII, 99; in Indian folk lore, XXIII, 303, 305, 373; *bufo cognatus*, XVI, 213, 214; *b. fuscus*, 214; *b. musicus*, XV, 324, XVI, 213; *salamandra cinerea*, XV, 325; *s. gigantea*, 325; *s. longicauda*, 325; *s. rubra*, 325; *s. subviolacea*, 325.

Toanshiscoe, interpreter for Six Nations, I, 63.

Tobacco, IV, 180; described, XXIII, 12; cultivated, V, 175, 260, VIII, 262, 275, 304, 312, X, 141, 186, 201, 239, 252, 297, 298, XI, 121, XII, 97, 114, 208, XIII, 142, 166, XVII, 28, 106, 108, XIX, 31, 295, XXII, 183, XXIII, 274-276, 368, XXVII, 11, 115, XXVIII, 122, XXX, 32, 33, 189, 190; cultivated and used by Indians, I, 261, II, 85, 92, 104, V, 90, VI, 116, 321, VII, 125, VIII, 152, XIII, 340, 342, XIV, 203, XV, 71, 128, XVI, 116, XVII, 169, XXI, 146, XXII, 313, 352, 392, XXIII, 12, 108, 204, 290, XXVIII, 57; In Indian folk lore and ceremonials, I, 306, V, 111, VI, 238, VIII, 152, XIII, 245, XV, 71, 80, 116, 122, XVIII, 166, XXI, 347, XXII, 354, XXIII, 12, 17, 307, XXIV, 29, XXVII, 166, XXX, 375, 377, 379; abundant, XVIII, 378; scarce, XVI, 212, 259, 260, 266;

TOBACCO (continued)—

- quality, I, 141, XIX, 71, XXI, 193, XXII, 183, XXVII, 115; general use of, XII, 200, 329, XVIII, 353, XIX, 295, XX, 36, 37; smoking, X, 247, XI, 57, 164, 192, 211, 269, XII, 12, 182, 214, 226, 229, 332, XIII, 49, XXII, 44, XXIII, 152, 218, XXVII, 43, 56, 73, 84, 118, XXIX, 66; by women, XI, 248, XII, 12, 20, XIII, 49, XX, 36, XXII, 114, 205, XXIV, 135; chewing, XI, 175; used as food, XXI, 85; as remedy, XVIII, 212; excessive use, XIII, 346, XV, 45; substitutes, V, 111, XII, 52, XV, 122, XVII, 169, XXII, 178, 313, 392, XXIII, 108, 204, 274, XXVIII, 57; article of trade, III, 241, IV, 279, V, 87, 97, VI, 31, VII, 129, 151, 156, 199, VIII, 43, 339, IX, 252, 266, X, 253, XI, 132, XV, 192, 217, 219, XX, 131, XXI, 45, 57, 148, 347, XXII, 313, XXIII, 12, 203, XXVI, 10, XXVIII, 262, 307, 348, XXIX, 60, 285, XXX, 31; warehouses, IV, 267, X, 252; prices, III, 298, IX, 140, XII, 114, XXI, 85, XXIV, 18, 45, XXX, 57; wrecked, VIII, 301; stolen, VII, 100; as equipment, XXII, 378; demanded by Indians, XVI, 119, 221, XXIII, 137, XXIV, 23, XXVIII, 317; given as present (chiefly to Indians), I, 30, 43, 203, V, 108, 111, 130, VI, 137, 245, VII, 241, XIII, 274, XIV, 204, 231, 232, 281, 285, 315, XV, 54, 142, 200, 207, 356, XVI, 56, 221, 235, XX, 126, XXI, 86, 88, XXII, 274, 328, 351, XXIII, 23, 128, 132, 155, 160, 220, 370, XXIV, 33, 40, 47, 52, 62, 68, XXVII, 162, 164, 207, XXVIII, 82, 379, 380, XXX, 42, 231; tobacco pouches, XXIII, 101, XXIV, 98; pipes, IV, 110, XXIII, 107, 108, XXIV, 18; snuff-box, XXIII, 18; in Astoria, VII, 122; Baton Rouge, IV, 341; Kentucky, III, 194, 237, 240; Maryland, XII, 114; Tennessee, 320; Yazoo valley, III, 168; *nicotiana rustica*, V, 90; *n. quadrivalvus*, XXIII, 108. For Tobacconists, see Trades; see also Cigars, Indians: Pipes and smoking, and Kinnikinic.
- Tobar, Don Pedro de, receives Tusayan Indians, XVIII, 130.
- Tobin, —, in Indiana, IV, 264.
- Tocaigh (Hawaii), “Tonquin” in, VII, 59.
- Tocqueville, Alexis Charles Henri Clerel de, anticipated by Flint, IX, 10.
- Todd, —, Canadian merchant, III, 80.
- Todd, Dorothy (*née* Paine), XI, 128.
- Todd, Col. John, in Revolution, IV, 177; Blue Licks, 197; Kaskaskia, III, 69.
- Todd County (Minn.), river in, XXVIII, 152.
- Todos Santos (Mex.), rendezvous, XVIII, 271; Pattie in, 226.
- Togasoody, a Wyandot, I, 108.
- Tohp-ka-Singka (four men), entertains Tilton, XXIII, 226.
- Tolmie, Dr. William Fraser, in Fort Langley, XXI, 341; directs Fort McLoughlin, 58; sketch, 341, 342.
- Tomaqua (Pa.), Germans in, XXII, 115.
- Tomatoes, cultivated, XXVIII, 334, 337.
- Tombstones, freestone used for, XXIV, 147.
- Tomé (N. Mex.), silver mines near, XIX, 310; population, XX, 48; flagellation in, 48.
- Tom Hill, Delaware Indian, XXX, 237, 238.
- Tomlinson, —, planter, IV, 346, 347.
- Tomlinson, Joseph, in West Virginia, III, 360; Ohio, IV, 114, 115.
- Tomlinson (W. Va.), road, III, 362; Harris in, 360.
- Tom-tits, observed by Woods, X, 208.
- Tonawanda (Tondanwandey's) Indians, language, VIII, 154, 155; villages described, 153; hunting, 155; treatment of women, 155; temperate, 154; lie and steal, 154; burial customs, 153, 154;

- religion, 153, 155; worship sun, 153; superstitions, 153, 154, 157; Evans among, 149-155; reservation, 153, 184.
- Tonawanda (N. Y.), road, XXIV, 164; stage, 176; Maximilian in, 177; population (1900), 164; sketch, 164.
- Tonelaguesona, Indian chief, I, 79.
- Tonica Indians, habitat, XIII, 319; relations with Natchez, 351; De Soto among, 329.
- Tonish, —, Missouri pioneer, XXVI, 262.
- Tonkewa Indians, practise cannibalism, XX, 332.
- "Tonquin," Pacific Fur Company vessel, VI, 13, 188; size, VII, 41; commanded by Thorn, VI, 194; equipment, 195, 199, 233, 235, 239, 241, VII, 41, 79, 80, 87; supplies, VI, 198, 199, 201, 227, 230, 245, VII, 49, 50, 59, 60, 62, 66, 67, 75, 76, 90, 98, 160; sailors, 66, 75, 76; accommodations, 44; passengers, VI, 194, 195, 199, 407-409, VII, 43, 75, 76; life on board, VI, 218, 237, VII, 43-48, 54, 55, 66, 68, 74, 75; course, 41; encounters storm, VI, 200, 201, 207, 209, 229, 230, VII, 45, 48, 49, 53, 66, 74-76, 78; accidents, VI, 230, 235, 240, VII, 48, 49, 53, 56, 76, 77, 83-85, 87; ports of call, VI, 202-204, 211, 214, 217, 218, VII, 46, 47, 49, 50, 54, 55, 57-73; on Northwest Coast, VI, 233-235, 287, VII, 76-82, XXI, 201; in Astoria, 98, 162, 237; astronomical observations, VI, 198-201, 207-209, 229, VII, 46-48, 54, 57, 75; Astor's policy, 233; losses and final destruction, VI, 256, 267, 276, 291-294, VII, 75-77, 81-83, 85, 87, 163-165, 171, 172, 216, 270, XXI, 296; relations with Indians, VI, 288-292; desertions, 213, VII, 52, 53, 75; individual narratives, V, 224, VI, 408, VII, 10, 12, 13, 43, 165-171, 186, 248.
- Tonta trees, produce tuppa, VII, 69.
- Tonty, Henri de, with La Salle, XIII, 347, XXVII, 37; on Arkansas River, IV, 298, XIII, 111, 140; visits Quapaw, 117; in Illinois, XIX, 51; in Fort Crevecoeur, 50; commands Fort St. Louis, XXVI, 141; quoted, 125, 126, XXVII, 39; sketch, XIII, 117, 118.
- Tooke, Horne, *Pantheon*, XXVI, 91.
- Toolan, —, information to Sparks, XVII, 69.
- Tools, as equipment, XXX, 258, 262; prices, 218. See also the several kinds.
- Topeka (Kans.), site, XIV, 185, XXI, 49, XXVII, 197, XXX, 37.
- Topinga Indians, habitat, XIII, 122.
- Topographers, with Long, XIV, 11.
- Toquo, edible root, II, 98.
- Tories, in massacre of Wyoming, I, 187; Revolution, II, 48; lands confiscated, XXIV, 185.
- Torima Indians, habitat, XIII, 122.
- Tornadoes, on Mississippi River, VIII, 318; Missouri, V, 15; Ohio, IX, 283; in Western States, 246; numerous, XIX, 228; described, VIII, 26.
- Tornillo (screw-wood, *prosopis pubescens*), described by Gregg, XX, 157.
- Toronto (Ont.), Indian grant near, II, 217; public library, VI, 16.
- Torreon (Mex.), Gregg in, XX, 194.
- Torrey, Dr. John, scientist, XIV, 13; recommends James, XV, 165, 166.
- Tortillas, Mexican cake, XIX, 290, XX, 66; how made, XVIII, 74, 75, XX, 66, 67; as food, XVIII, 74, 75, 224, XIX, 293.
- Tortoise, Sauk Indian. See Massica.
- Tortoises (turtles), habitat, IV, 373, XI, 48, XXII, 190, 196, XXIII, 233, 250, XXIV, 129, 157; method

TORTOISES (continued)—

of hatching eggs, XIII, 228; weight, VII, 48; numerous, XXII, 79, XXIV, 118, 126, 178; as food, XI, 66, XII, 166, XVI, 255, XXIII, 277, XXVIII, 56; in Indian folk lore, XV, 117-120, XXIII, 304, 327, 343; shells, 382; Maximilian collects, XXII, 191; in museum, IX, 44; petrified, III, 47; observed, VI, 200, XVI, 243, XXII, 77; described, X, 258, 290, XXII, 210; new species, XVI, 128; Chinese, XI, 53; fierce (*testudo ferox*), XV, 324; fresh-water, XI, 187; land (*clausa*), XV, 324; prairie, XXIX, 289; serpent (*serpentaria*), XV, 324, XXII, 169; soft-shell (*trionyx*) — habitat, 386, XXIII, 94; numerous, XXII, 169, 242, XXIV, 147; described, XXII, 143; (*geographica*), XIV, 79, XV, 324, XVI, 128, 243, XXII, 169; (*emys odorata*), 80; (*picta*), 80, 169, 194; (*pulchella*), 169.

Toscan, Frank, on "Wasp," VIII, 241.

Totintontenna, Cayuga chief, I, 235.

Totornihades, a Wyandot, I, 37.

Tototen Indians, tribe of Klamath, XXI, 329.

Touch-me-nots (*impatiens fulva*), blossoms, XXII, 82, 83.

Touchet (Wash.), site, XXX, 232.

"Toulon," lumber ship, XXX, 204.

Toungletat Indians, attack other tribes, XXIX, 149.

Towcash Indians. See Towyash.

Towhe (bird), observed by Long, XVI, 26.

Towighroano, Indian chief, I, 263.

Towockano Indians, stock, XX, 297; population, 342.

Town halls, in Boston, XI, 55; Natchez, XIX, 131; Pennsylvania, XXII, 132, 134, 135.

Towns, surveys, XIV, 105; growth in West, XIX, 12.

Townsend, John K., naturalist, XXI, 12, XXII, 9; accompanies Wyeth, XXI, 12, 121, 137, 141; equipment, 121, 136; pedestrian tour to Independence, 123-135; on Missouri River, 134, XXII, 237; Independence to the Platte, XXI, 141-157; to the Green, 157-189; to Fort Hall, 189-210; hunting excursion, 211-224; Fort Hall to Boise, 231-249; Boise to Columbia, 250-278; to Vancouver, 282-296; at Vancouver, 298-300, 308, 335, 344, 361, 369, XXIX, 19; explores Willamette, XXI, 300-302; on "May Dacre," 305-316; visits Hawaii, 308, 317; at Fort William, 319-326; expedition to interior, 344-361; return home, 368, 369; physician at Vancouver, 334, 343, 344; adventures, 206, 219, 220; illness, 191-194; hunger and thirst, 169, 170, 233, 234, 277; hunting, 128, 129, 169, 177, 178, 189, 211, 217, 250, 320, 347; relations with Indians, 122, 123, 162-164, 261, 263, 312, 320, 337, 342, 363-365, 367, 368; with missionaries, 138, 279, 292; with Bonneville, 271; McKay, 226; McLoughlin, 296, 369; Nuttall, 192; Richardson, 265; gets letters, 139, 195, 353; sees prairie fire, 356; natural history collections, 176, 187, 201, 277, 289, 306, 314, 319, 336, 341, 346, 351, 367, XXIII, 169; ethnological, XXI, 310, 338, 339, 361; loses journal, 190-192; characteristics, 132, 141, 280; writings, XIII, 11; *Narrative*, XXI, 15, 107-369; cited, 63, 68, 70, 73, XXII, 230, 231, 285, XXIII, 135, XXIV, 116, 220, 227, XXVI, 106, 261, XXVII, 137, 162, 229, 230, 235, 236, 242, 248, 253, 278, 319, 368, 376, 387-389, XXVIII, 113, 141, 143, 222, 237, 275, 282, 297, 301, 302, 305, 316, 368, 371, XXIX, 19, 70, 118, 129, 161, 193, 241, XXX, 9, 33, 42, 86, 100, 101; sketch, XXI, 14, 15.

Towyash (Toweeahge, Towiache, Towcash, Toycash) Indians, Pawnee Picts, XVI, 95; stock, XX, 297; population, 342.

Toys, article of trade, II, 46.

Tracy, Alexander de Prouville, marquis de, viceroy of New France, II, 80.

TRADES: open to emigrants, V, 306, IX, 30, 31, XII, 102; interchangeability, IV, 173; apprenticeship, 186, IX, 123, XXVI, 66, 195; employment for mechanics, IX, 226, 264, X, 128, XII, 333; need for, XXX, 237; abundance of, X, 321, XIX, 152; scarcity, XI, 163, 198, XIII, 112, XXVII, 54, XXIX, 169; imported from France, XXVII, 42; emigration of, VII, 41, 42, XI, 145, XII, 155, XIX, 26, XXI, 22, XXVI, 16, XXIX, 127, 307; on vessels, VI, 276, VII, 44, 45, 50, X, 191; enterprise, 46, 61; prosperity, 66; compared with European, 155; competition with, IX, 265, 266; incapacity, 196; unfair methods, XI, 125; manners, X, 255; social status, XI, 117; turn farmers, IX, 264; slaves as, XII, 320; Jewish methods, X, 236; wages, IX, 82, 139, 150, X, 128, XI, 113, 119, 153, 198; tools, XIX, 333, 334; convicts as, IV, 194; bequest for, XII, 173, 174; in Arkansas, XIII, 292; Baltimore, XXI, 34; Cincinnati, IX, 239-241, XIX, 137; Detroit, VIII, 220; Illinois, X, 337, XI, 192, 261, XII, 257; Indiana, XI, 253, 292; Mexico, XVIII, 363, XX, 45; Mississippi, IV, 349; Oregon, XXX, 163, 180; Pennsylvania, III, 364, XII, 45, XXII, 111; Pittsburgh, III, 342, 343, IV, 246, VIII, 250, IX, 84, 85; St. Louis, XIV, 108, XXI, 44; Steubenville, IX, 102; Washington (D. C.), XII, 97; Wheeling, XIII, 51; on frontier, XXII, 377, XXIX, 139.

Classification: Armorers, III, 135, VI, 195, VII, 80, 83. Bakers, IV, 246, V, 285, VIII, 292, IX, 150, 240, XX, 159. Barbers, IV, 246, VII, 76, VIII, 319, 320, IX, 240, XII, 315. Bell-makers, IV, 246. Bellows-makers, IX, 84, 240. Blacksmiths, slaves as, XII, 320; tools, IX, 196; coal used, V, 247, XXX, 185; qualities of, XII, 182, XIX, 333, XX, 170; as farmers, IX, 252; emigrants, VI, 195, 302, VII, 215, XXI, 30; at frontier forts, VI, 259, 320, 388, XXII, 266, XXVIII, 162, 347, XXIX, 39, 62, 64, 65; among Indians, I, 178, 235, XVI, 277-279, XVIII, 276, XX, 304, XXVII, 193, 282, XXVIII, 134, 144, 147, 148, XXIX, 21; in various localities, IV, 185, 193, 212, 231, 247, V, 285, VII, 63, IX, 84, 150, 239, X, 58, 153, 286, XI, 208, XII, 195, 213, 275, XIV, 140, XVIII, 32, 351, XXIV, 165, XXVI, 200, XXVII, 299, XXVIII, 181, XXIX, 19, 20, 167, XXX, 159, 185, 296; prices, XI, 287, XII, 195, 213, 238, 276. Book-binders, IV, 246, V, 285, IX, 240. Book-keepers, XXII, 374. Boot-blacks, XII, 164. Brick-layers, IV, 187, 246, IX, 150, 240, X, 153, 271, 272, XI, 111. Brick-makers, IV, 187, V, 285, VIII, 220, X, 271, 272, 342. Brush-makers, IV, 246, IX, 84, 240. Butchers, IV, 246, V, 285, IX, 60, X, 190, 271, 284, XI, 118, 146, 248; tools, XXX, 74, 209. Button-makers, IX, 84. Cabinet-makers, IV, 185, 246, V, 279, 285, IX, 84, 150, 240, X, 229, XXX, 159, 296. Carpenters, scarcity, XXVII, 54; slaves as, XII, 320; as emigrants, VII, 49, 90, X, 181, XI, 266, XII, 155, XXI, 30, 305; in frontier forts, VI, 388, XXII, 377, XXIII, 22, 165, 167, XXIV, 12, XXIX, 62-65; among Indians, XVIII, 276, XX, 304, XXVII, 193, 282, 330; in various localities, III, 256, IV, 126, 149, 247, V, 279, 285, IX, 150, 240, X, 39, 153, 271, 272, 312, XI, 105, 245, XVIII, 351, XIX, 174, XXIX, 167, XXX, 160; prosperity of, X, 229, XVIII, 29; tools, XXIX, 183, 273, 301. Chair-makers, IV, 195, 247, IX, 85, 240. Clock-makers, III, 51, IX, 240. Comb-makers, IV, 246. Cooks, XI, 266, XIX, 219, XXIV, 47. Coopers, III, 135, IV, 195, 246, V, 279, VI, 195, 203, 261, IX, 150, 240, X, 153, XXI, 305, 318, XXII, 378, XXVI, 200, 296, XXIX, 62, 64, XXX, 159, 204, 296. Copper-smiths, IV, 246. Curriers, IV, 185, V, 285, IX, 84, XX, 262. Cutlers, IV, 247, V, 285, IX, 84. Dentists, XII, 315, 316. Dyers, IV, 186, 246, IX, 240, XII, 265. Engravers, XXII, 164. Fruit-venders, XX, 165. Gilders, IX, 239. Glaziers, V, 285, IX, 240. Glovers, V, 285. Goldsmiths, XIX, 13, 333. Guides, III, 68, 74, 94, XIII, 218. Gunsmiths, I, 114, 118, IV, 246, V, 285, VII, 215, IX, 85, 239, XIV, 276, XVIII, 171, XXI, 30, 323, XXIV, 18, XXVIII, 315 (see also blacksmiths, above). Hatters, III, 135, IV, 186, 246, IX, 85, 150, 240, XII, 305, XIII, 109, XIV, 269, XVIII, 351, XXII, 378, XXX, 159. Harness-makers, X, 313, XII, 195. Hostlers, XII, 11. Joiners, III, 256, VIII, 220, IX, 150, 196, 240, XXII, 378, XXIV, 12. Laundresses, XIX, 128; prices, IX, 31, XII, 169. Lock-smiths, IV, 247, IX, 85. Looking-glass maker, IV, 247. Machinists, IV, 247, V, 285, 297, IX, 85, XII, 330. Masons (and stone-cutters), III, 256, IV, 195, 219, 246, 247, V, 285, IX, 240, XII, 155, XXI, 73, XXII, 378, XXX, 160. Mattress-maker, IV, 246. Millers, IV, 337,

TRADES: Classification (continued)—

XX, 254, XXII, 116, XXVIII, 102, 134. Milliners, IV, 246, IX, 240. Miners (colliers), XVIII, 109, XXII, 84, 119, 121, 123. Musical-instrument makers, IV, 348. Nail-makers, IV, 195, V, 285. Painters, IV, 246, IX, 240. Pavers, IX, 240. Plasterers, IV, 246, IX, 150, 240. Printers, IV, 187, 193, 220, 247, V, 38, 198, 285, XI, 112, XIII, 12, XXVIII, 333. Pump-makers, IV, 247. Rope-makers, IV, 247, V, 285. Saddlers, III, 135, IV, 57, 185, 246, V, 285, IX, 85, 150, 240, X, 39, 312, XXI, 140. Sail-makers, VI, 195, VII, 80. Sawyers, X, 271, 272. Seamstresses, IV, 246, V, 285. Ship-carpenters, VI, 193. Shoemakers (cobblers, last-makers), IV, 186, 247, 314, V, 285, VIII, 220, IX, 150, 219, 240, X, 58, 135, 272, 313, XI, 121, 248, XIII, 109, XVIII, 351, XXII, 378, XXVII, 54, 105; prices, XXX, 219. Silver-smiths, IV, 185, 246, V, 43, 285, IX, 85, 239, XIX, 333, XX, 103, XXX, 159, 296. Smiths, X, 271, 272, 312, XXI, 305, XXII, 378, XXIV, 12, 78, XXVII, 54. Soap-makers, IX, 240. Spinners, IX, 84. Tailors, IV, 186, 247, IX, 106, 150, 219, 240, X, 58, 135, 271, XII, 154, 155, 195, 305, XIII, 109, XVIII, 351, XX, 103, XXI, 323, XXII, 378, XXVII, 54, XXX, 159, 296; prices, X, 75, XXX, 219. Tallow-chandlers, IV, 246. Tanners, III, 293, IV, 110, 185, 247, IX, 85, X, 312, XXII, 98 (see also curriers, above). Taxidermists, III, 78. Tinkers, XXIX, 19. Tin-smiths, IV, 185, VI, 388, IX, 84, XXVII, 193, XXIX, 62, 64, 65. Tobaccoists, IV, 246, IX, 85, 150, 240. Tool-makers, IV, 246, V, 285, IX, 85. Trunk-makers, IV, 246. Turners, IV, 195, 246, IX, 240. Upholsterers, IX, 240. Wagon-makers, IX, 240. Watch-makers, IV, 246. Water-carriers, XX, 165. Weavers (stocking-makers), IV, 186, 246, V, 285, IX, 56, 85, XI, 251, XIII, 245. Wheelwrights, IV, 246, V, 285, X, 153, 271, 272, 312, XI, 248, XII, 195, 250, 251, 257, XX, 304, XXIX, 64; prices, XII, 195. Whip-makers, IX, 241. White-smiths, IX, 239. Window-makers, IX, 240. Wire-drawers, V, 285, IX, 85. See also Laborers; Manufactures; and Economic Conditions: Labor and Wages.

Tradescantia, large flowered, XIII, 199; observed by Baldwin, XIV, 111; James, XV, 177.

Tragia, III, 41.

Train-oil, article of exchange, XI, 46.

"Tramontane," order of, XXVI, 217.

TRANSPORTATION —

Land: in general, III, 98, 203, 240, 343, VIII, 48; on foot, IV, 25, 54, 55, 207, IX, 87, XIII, 36, XXIV, 17, XXVI, 225, XXVII, 136, XXVIII, 178, 184, XXX, 55, 141, 148; snow-shoes, XXVIII, 17, XXIX, 254, 262, 263, 266; horseback, I, 304, 309, III, 141, 155, 253, 357, IV, 25, 42, 204, VII, 199, 208, VIII, 41, 78, IX, 60, 87, 102, 123, 129, 131, 165, 234, X, 64, XI, 145, 211, 224, 247, 304, XII, 21, 206, 208, 268, XIV, 18, XVII, 91, 93, 99, 100, XVIII, 226, XXI, 126, 280, XXII, 130, 180, 198, 301, 316, 344, 377, XXIII, 24, 67, 71, XXIV, 35, 133, 135, XXVI, 12, 181, 203, 225, 227, 314, XXVII, 25, 148, 273, 337, 370, XXVIII, 11, 183, XXIX, 132, 209, 263, 266, XXX, 12, 141, 223. Pack-animals, I, 102, 242, VI, 374, VII, 212, VIII, 74, XVIII, 351, 353, XIX, 178, 180, 313-318, XX, 133, 203, 222, XXI, 59, 347, XXII, 379, XXIV, 92, XXVII, 136, XXVIII, 170, 363, XXIX, 63, XXX, 155; packmen, IV, 58, 61, 62. Dog-carts, IX, 327, 331. Carts, X, 192, XII, 120, XIX, 180, 333, XXVI, 227, 304, XXVII, 58, 119, 270, XXVIII, 136, XXIX, 164; carters, VII, 76, IX, 326; carting price, XI, 150. Drays, IX, 46, 149-151, XXVI, 43, XXVII, 59. Wheelbarrows, IX, 72. Wagons, I, 289, 290, III, 158, 294, 343, IV, 25, 51, 229, V, 227, 284, 296, 300, VIII, 41, 43, 46, 57, 77, 249, 287, IX, 42, 59, 60, 63, 73, 74, 86-89, 97, 98, 114, 123, 131, 150, 316, X, 76, 196, 212, 255, 279, XI, 171, 203, 204, 206, 230, 244, 290, XII, 168, 177, 188, 229, 275, 287, XIII, 41, 213, 361, XIV, 22, XIX, 27, 135, 141, 180, 188, 190, 193, 199, 203, XX, 89, 100, 222, 225, XXI, 27, 31, 34, 35, XXII, 46, 52, 109, 135, 183, XXIV, 124, 127, 162, XXVI, 225, XXVII, 136, 243, 244, 248, 273, XXVIII, 62, 111, 112, 122, 162, 322, 323, XXIX, 44. Jersey wagons, XX, 104. Pennsylvania wagons, XXVIII, 46, 84; how made, IX, 65, XX, 254; prices, VIII, 249, XI, 241, XIX, 337; owned by Indians, XXVIII, 127, 131, 136, 139, 242.

Whitman's historic, XXVIII, 323; tires repaired, XIX, 248, 249. Wagoners, IV, 62, IX, 68, XIX, 202-204, 206, 207, 254, XX, 104, XXVIII, 57; characteristics of, IX, 71, 72, X, 262, XI, 68, XIX, 229, XX, 177; equipment, XIX, 247, XX, 168, XXIX, 283.

Carriages: III, 120, 121, 202, 212, 347, 363, IV, 188, IX, 231, XI, 14, 19, 122, 177, 260, XII, 168, 170, 182, 241, 271, 297, XIX, 148, 193, XX, 89, 104, XXII, 46, 54, 87, 90, 113, 121, 158, XXIV, 132, 188, XXVI, 304, XXVIII, 114; prices, XXIV, 145; hire, IV, 172, XII, 168, 169. Cabriolets, XXII, 52, 54; carretas, XIX, 237, XX, 203; carioles, VI, 371, XXIV, 53, XXVIII, 91, 95; chaises, III, 120, XXII, 53; chariots, XII, 68; curricles, 95; dearborns, 177, XIX, 181, 193, 199, XXII, 76; family coaches, IV, 327, XIX, 334, XX, 45, XXX, 74; drivers, IX, 35, XII, 165, XXII, 56; gigs, VIII, 45, 48, IX, 42, XXII, 157; hackney coaches, X, 192, XI, 159, 197, XII, 165, XIX, 132, 143, 149, XXII, 157, XXVI, 44; sulky, XI, 97; vineyard-cars, XXVII, 31; sledges, IV, 38, V, 166, IX, 123, 333, XIII, 361, XXII, 358, XXIII, 14, 16, 20, 70, 104, 140, 229, 236, 273, XXIV, 17, 50, 62, 63, 66, 69, 70, 72, 75, XXIX, 251; sleighs, VIII, 57, XII, 301.

Caravans: XIX, 187-192, 198-204, 337, XX, 150, 204, XXI, 141, XXII, 211, 231, XXVII, 135, 136, 190, 197, XXVIII, 11, 60-62, 295, XXX, 261; lose horses, XIX, 214 (see also Commerce: Santa Fé trade; Roads: Oregon trail, Santa Fé trail). Emigrant wagons, III, 262, IX, 65, X, 197, XIII, 208, XIX, 180, 228, XX, 104, XXVI, 247, 301, 334, 356, 357, XXVIII, 105, XXX, 109, 257; how made, IX, 65; bows and tongues, XXX, 34, 44; sheets, 209; prices of emigration, IX, 74. Stage-coaches, IV, 25, 51, VIII, 88, 110, IX, 34, 35, 48, 49, 51, 65, 87, 128, 137, 146, 147, X, 218, 219, XI, 33, 72, 112, 115, 164, 187, XII, 20, 21, 325, 327, XIII, 35, XV, 193, XVIII, 314-316, XIX, 141, 149, 153, XXI, 123, 131, XXII, 50, 52, 61, 116, 120, 128, 130, 132, 144, XXIV, 124, 139, 164, 176, XXVI, 247, XXIX, 373; drivers, VIII, 124, X, 36; stage-fare, III, 129, 133, IX, 34, XII, 20, XXVI, 247 (see also Routes, below). Railways, VIII, 292, XXI, 35, 120, XXIV, 162, 188, XXVII, 394, XXVIII, 199, XXIX, 62, XXX, 19, 39, 169; cars, XXII, 20, 120. See also Railroads.

Water: in general, III, 159, 344, X, 261, XXIX, 95; promotes settlement, IV, 12, 13, X, 320; on Atlantic Ocean, XI, 65, 66, XII, 134, 151, 340, XIX, 154, XXI, 197, XXII, 37, 39, 41, XXIV, 192-194, XXIX, 140 (see also Oceans); coasting, VIII, 349, XI, 106, 198, XII, 74, 98, XXII, 46; on Pacific Ocean, XXI, 335, 368, XXVIII, 13, XXIX, 137; Great Lakes, I, 103, VIII, 219, 222, IX, 311, XXIV, 160, 162; Arkansas River, XIII, 13, XVIII, 117; Colorado, XXVIII, 224; Mississippi, III, 194, 310, IV, 281, 282, 290, 291, 298, 299; Missouri, V, 179, VI, 146, 147, XIV, 175; Niagara, VIII, 47; Ohio, XIX, 11, 30; Willamette, VII, 229. See also Commerce; Navigation; and Routes, below.

Varieties: of boats, VIII, 313, 314, XXVI, 60, 61. Skin-boats (bull-boats, buffalo-boats), V, 71, 152, 226, 232, 233, VI, 108, 270, 361, 363, XIV, 242, XV, 72, 192, 235, XVII, 137, XVIII, 284, XIX, 214, XX, 251, XXI, 11, 54, 147, 199, XXII, 337, 353, XXIII, 73, 220, 233, 279, XXIV, 79, 87, 88, 101, XXVII, 150, 270; how made, VI, 86, XIX, 214. Esquimaux kiacks, XXIII, 279. Canoes, I, 24-26, 44, 54, 74, 124, 149, 151, 166, 302, 309-312, 316, III, 74, 76, 164, 172, 173, 180, 187, 188, 191, 192, 258, IV, 141, 213, 266, 283, 356, V, 202, 203, 206, 227, 230, 231, 233, VI, 39, 55, 56, 67, 90, 219, 252, 259, 261, 262, 265, 269, 272, 294, 295, 304, 316, 342, 343, 345, 348, 349, 365, 366, 369, 379, 383, 391, 396, 397, 401, VII, 42, 61, 63, 101, 111, 115, 125, 131, 180, 182, 183, 208, 212, 214, 229, 242, 244, VIII, 51, 85, 230, IX, 107, 148, X, 52, 225, 234, XIII, 14, 135, 139, 241, 250, 320, XV, 195, 196, XVIII, 15, 184, 192, XIX, 48, 173, 278, XX, 154, 155, XXI, 54, 280-286, 290-292, 294, 319, 335, 365, XXII, 246, 250, 264, 294, 314, XXIII, 25, XXVI, 61, 291, 292, XXVII, 34, 66, 91, 154, 221, 268, XXVIII, 111, 323, 363, 369, 370, 379, XXIX, 14, 26, 42, 78-81, 152, 159, 164, 173, 177, 179, 192, 206, 266, 278, 281, XXX, 90, 157, 244 (see also Indians: canoes). Double canoes, VII, 63, XXII, 236; caïques, XXVI, 60; Hawaiian, VII, 61, 69; construction, VI, 253, 388; of bark, 73, 189-191, 282, 298, 336, 356, 361; repaired, 381; changed for horses, VII, 227; portaged, VI, 368, VII, 42, 128, VIII, 230, XV, 195, 196; canoemen, VII, 180. Pirogues and dug-outs, III, 160, IV, 358, VI, 217, 228, 229, 289-

TRANSPORTATION: *Varieties* (continued)—

291, 307, 331, 362, XIII, 108, 193, 280, XIV, 284, XVI, 178, XX, 154, XXI, 99, XXIII, 136, 166, 244, XXVI, 53, 60, 61, 231, XXVII, 43, 197, XXIX, 149; construction, XXII, 147. Batteaux, I, 106, 107, 126, 129, 149, 269, III, 341, IV, 88, 162, 215, 262, 271, VI, 88, VIII, 263, XXI, 83, 355, XXVI, 77, XXVIII, 111, XXIX, 36, 42, 63. Rafts and scows, III, 60, 66, V, 76, 77, VI, 66, 363, 364, VIII, 57, 269, IX, 149, XIII, 332, XVIII, 191, 206, XIX, 164, XXI, 55, XXII, 89, XXIV, 100, XXVIII, 112, XXX, 73. Arks, III, 166, 334, 335, IV, 265, 283, V, 203, 301, 302, VI, 151, VIII, 257, 315, IX, 86, 96, 97, 103, 104, 107, 110, 111, 147, 149, 156, 163, X, 38, 221, 228, 234, 250, XI, 171, 230, 243, XIV, 59, 60, 72, XIX, 151, XXVI, 60; described, III, 335; manufacture of, IX, 86; prices, V, 309, IX, 97, X, 243, 256; difficulty of navigating, 228; disposed of, VIII, 257, IX, 98. Flat-boats (broad-horns), III, 351, IV, 28, 42, 59, 96, 116, 161, 327, VI, 151, VIII, 53, 57, 309, IX, 94, X, 13, 218, 253, XI, 76, 260, XII, 15, 279, XIII, 45, 50, 66, 67, 71, 96, 108, 195, 294, 300, XIV, 59, XVIII, 25, XIX, 41, 66, 125, 138, XX, 251, XXI, 147, XXII, 151, 183, 203, 248, XXIV, 131, 152, 190, XXVI, 49, 57, 60, 61, XXX, 38, 55; propelled, IV, 327; wrecked, 13, 81, 87, 92. Keel-boats, III, 349, IV, 91, 97, 104, 105, 126, 130, 147, 151, 161, 215, 265, 271, 356, V, 129, VI, 10, 268, VIII, 53, 239, 257, 295, IX, 86, 108, 109, 112, 149, 164, 311, X, 224, 246, 254, 255, 263, XIII, 45, 103, XIV, 10, 14, 172, 179, XV, 202, XVI, 291, XVII, 25, 129, 130, XVIII, 38, XIX, 41, XXI, 99, XXII, 15, 250, 263, 289, 295, 378, XXIII, 23, 25, 89, 91, 139, 224, 227, XXIV, 117, 146, XXVI, 49, 60, 61, 149, 320, XXVII, 59, XXIX, 359; construction, VIII, 245, IX, 86; operation, IV, 264, X, 224. Barges, III, 80, 159, 160, 166, 252, IV, 139, 290, 292, 296, 306, 358, V, 129, 226, VI, 28, 30, 31, 285, 299, 300, VII, 111, VIII, 314, IX, 166, XIII, 45, 293, XIV, 72, XVII, 63, 66, XIX, 38, 41, XXI, 280, 281, 291, XXII, 16, 119, 123, 239, XXVI, 149, 265, XXVII, 221, 370, 375, 379, XXVIII, 378, XXIX, 80, 134, 183, 193, 267, 268, 272; described, VIII, 59, XXVI, 60, 61; manufacture of, IX, 86; bargemen, III, 159. Skiffs and rowboats, III, 164, IV, 98, 102, 112, 119, 152, 265, 266, 283, VI, 257, VIII, 256, 295, IX, 9, 93, 94, 99, 102, 103, 109, 319, X, 38, 39, 42, 225, 238, 243, XI, 288, 290, 293, XIII, 47, 128, XIV, 172, XV, 136, XVII, 66, 88, XXI, 133, XXVII, 35, 358, 400, XXVIII, 18, XXIX, 160, 263, 367, 369, XXX, 207; described, IX, 89; manufacture of, 86; prices, X, 222, 247, XIII, 47. Miscellaneous — Canal boats, XIX, 119, 149-153, XXIV, 146, 151, 157-159, 163, 180, 182, 184, XXVI, 254 (see also Canals), Cascade, XXX, 14, 120, 223. Connecticut, IX, 311. Durham, IX, 323. Ferry, IV, 35, 36, 114, 124, VIII, 46, IX, 110, 149, X, 40, 44, 48, 200, 217, 232, XI, 73, 185, XII, 164, 212, 243, XX, 97, 227, XXI, 125, 130, XXII, 144, XXIV, 126, 136, 139, 140, XXVII, 28, XXX, 123, 163, 174; prices, IV, 38, V, 152, 162, 163, IX, 234, X, 217, 314, XI, 260, XII, 15, XXI, 90. Fishing, XIX, 138, XXII, 40. Gallies, IV, 367. Gondolas, XXVI, 60. Mackinaw, XXII, 267, 278, 337, XXIII, 165, XXIV, 61, 81, 82, XXIX, 359. Pedlar's, IX, 104, XIII, 309. Produce, XIX, 55, XXVI, 57. Schenectady, II, 213. Snag-extractor (Tooth-puller), XXVI, 57, 113, 114. Trading, X, 228, XI, 292, XIII, 136, 309, XIV, 44, XXIII, 211, XXIV, 16, 94, 96, 117. Wherries, XIX, 136.

Boatmen: life, XXVI, 61, 91; hardships, XXIII, 27-30; mortality, VIII, 309; illness, 314, 360, XIII, 296; characteristics, III, 180, IV, 303, 356, V, 14, VIII, 255, 260, 261, 344, IX, 92, 109, 113, X, 245, 255, 261, XI, 151, XII, 15, XIII, 97, 98, XXIII, 58, XXIV, 145, XXVI, 62, 98-101, 118, XXVII, 55; marksmanship, VIII, 308; songs, VI, 191, 399, XXVI, 127; huts, XIX, 43; methods, XXVI, 68; wages, VIII, 314, IX, 114, XIII, 75, XXII, 151; displaced by steamboats, XXVI, 150, XXVII, 59; "patrons," V, 198, 204, 207; compared with voyageurs, VII, 41; name landmarks, XIII, 91, XIV, 126, XXVI, 89; in Bayou Pierre, IV, 310; Fort Union, XXII, 378; Kaskaskia, XXVII, 61; on Mississippi, IV, 299, 303, XIX, 65; in Natchez, VIII, 319, 320; New Orleans, IX, 302; St. Louis, VI, 403, VII, 178; Indians employed as, XIII, 121 (see also French: voyageurs).

Sailing vessels: on inland waters, II, 81, III, 162, 177, 351, 388, IV, 123, 124, 193, 279, VI, 251, 259, VIII, 185, 195, 217, 243, 256, 314, IX, 86, XXI, 338, XXIX, 63, XXX, 166; on ocean, III, 117, 121, 125, 160, 194, 203, VI, 185, 198, 288, 406, VII, 36, 37, VIII, 256, 257, IX, 26, 27, X, 191, XI, 65,

66, 106, XVIII, 228, 279, 288, XX, 225, XXI, 27, XXIX, 59, 60, XXX, 293. Brigs, IV, 193, VI, 199, VII, 47, 48, VIII, 36, X, 180, 183, XI, 38, 49, 63, XII, 162, XIII, 15, XVIII, 271, 284, 298, 303, 307, XXI, 299, 305, XXIX, 53. Brigantines, XIII, 333, 338. Corvettes, VI, 406. Long-boats, VI, 239, 241, VII, 79, 87, XXI, 310. Packets, VIII, 89, XI, 61, 105, 158, XII, 79, XIX, 154, XXII, 11, 17, XXIV, 177, 181, 192, XXVI, 46. Pilot-boats, XXX, 294. Pinnaces, VI, 233, 235, VII, 80. Schooners, III, 351, IV, 372, VI, 219, 242, 251, 261, 263, 267, 276, 282, 286, 392, VII, 63, 160, VIII, 38, 39, 256, 351, 363, IX, 315, XI, 49, 62, 65, XII, 162, 163, XIX, 119, 142, XXI, 338, XXIV, 159, 190, XXIX, 15. Ships, XVIII, 151, 152, XXII, 37, 60, XXIII, 235, XXVIII, 380, XXX, 297. Ships of war, IV, 371, IX, 45, 272, XI, 119, XII, 313.

Steamboats: on ocean, IX, 45, X, 186, XI, 198, XII, 68, 86, 325, XXIV, 142, 145, 191, XXVI, 92, XXIX, 14, 42, 59; on inland waters, III, 338, V, 211, VIII, 59, 85, 88, 89, 256, IX, 59, 86, 149, 151, 154, 155, 164, 165, 237, 247, 286, 296, 314, 321, 322, 325, X, 43, 45, 59, 217, 218, 235, XI, 111, 162, 197, 198, XII, 69, 170, 237, 279, 325, 326, XIII, 45, 66, 291, 294, 317, XIV, 10, 18, 39, 40, 44, 76, 108, 124, XVII, 39, 88, 89, 95, XVIII, 17, 321, 322, XIX, 41, 119, 121, 123, 125, 126, 132, 138, 142, 153, XX, 251, XXI, 34, 37, 46, 90, 101, 121, 124, 133, 134, 265, XXII, 13, 33, 41, 59-61, 65, 139, 144, 147, 154, 158, 159, 200-205, 216, 231, 237, 251, 276, 282, 374-378, XXIII, 11, 25, XXIV, 117, 121, 130, 131, 142, 143, 145, 159, 160, 181, 193, XXVI, 12, 13, 43, 44, 51, 82, 90, 98, 101, 107, 111, 141, 161, 174, 202, 254, 294, XXVII, 23, 154, 194, 400, XXVIII, 110, 111, 115, XXIX, 148, 206, XXX, 166, 167, 177, 198, 256; invented, XXI, 131; first on Western waters, XXVII, 57, 59; on Ohio, XXVI, 62, 63; Mississippi, 64; New Orleans to Louisville, 57; at St. Louis, 150; on Willamette, XXX, 167; built, IX, 86, X, 59; price, XI, 197, 198; size, IX, 164, XI, 111; durability, XIV, 76; ornaments, IX, 165; described, 237, 238, X, 186, 187, XII, 326, XIII, 67, XIX, 128, 129, XXI, 38; mode of propelling, X, 78, 79; supplant other craft, VI, 401, XXVII, 59; benefit to West, V, 263, IX, 145; number, XIII, 317, XXVI, 49; rate of speed, XII, 15, 326, XIV, 77; race, XXIV, 161, XXVI, 90-92, 100; fuel for, XXI, 135, XXII, 292, 372, XXIV, 122; aground, X, 234, XIV, 44; sunk, VIII, 301, XXII, 208, XXVI, 57; supplies for, XXII, 210; largest on Mississippi, XXIV, 132; connect with stage-coaches, IX, 49; punctuality, XXVI, 44; Eastern and Western compared, XXIV, 190; rates, IX, 164, X, 75, XIX, 126, 129, 162; profits, VIII, 257, 325; Long's expedition transported by, IX, 165, XIV, 10, 11; Indians fear, 178, XXVII, 394; steam-power, IV, 339; engines, V, 285, XXVI, 64, 265; steam tow-boats, XIX, 120.

Facilities: land and water compared, III, 204, 241, IX, 98, XXI, 33; prices compared, III, 145; facilities, VIII, 117, 180, IX, 271, X, 64, XII, 213, XXIX, 28 (see also Bridges, Ferries, Pilots, Railroads, Roads, and Wharves); methods in general, IX, 114, 115, XX, 173, XXVI, 18 (see also Navigation); advantages, VIII, 146, IX, 39, 86, X, 93, XXII, 167; prices, III, 125, 241, 266, 343, IV, 25, VIII, 249, 257, 294, 325, IX, 26, 68, 74, 98, 105, 114, 115, 127, 131, 164, 286, X, 39, 42, 45, 75, 83, 142, 187, 196, 197, 218, 221, 255, 338, XI, 33, 62, 72, 105, 111, 148, 165, 197, 198, 233, 288, 290, 291, 301, XII, 18-20, 74, 79, 172, 237, 258, 280, 325, XIII, 66, XVIII, 319, XIX, 27, 126, 129, 318, XX, 223, XXII, 203; travelling expenses, IX, 127, X, 69; passenger accommodations, IX, 110, 115, 164, XIX, 151, 152; baggage, III, 30, IV, 25, XXII, 158; mail, III, 42, 329, IV, 42, 196, 230, XI, 72, XVIII, 342, XXIV, 142, 145; military-stores, XIV, 117, XXVIII, 109; sea-stores, XXIX, 60; freight, IV, 283, IX, 164; rates for, III, 158, 195, 239, 241, 291, V, 300, VII, 126, VIII, 293, 314, XII, 18, 19, XVIII, 351, XIX, 27, 318, XXII, 203; raise prices, IX, 39, XXII, 167; insurance rates, XX, 226; tonnage, VIII, 279, XIV, 86, XVII, 110; shipping-ports, II, 48, VIII, 26, XIX, 125 (see also Routes, below); coal, IV, 77, 193, 251, 252, XXII, 120-122; boat-building, III, 160, 177, 336-338, 344, 349, VI, 190, 197, IX, 86, 165, 240, XXVI, 161, 162, XXIX, 62 (see also Manufactures, ships); prices, XII, 19; destroyed, XIII, 322; British interference, IX, 26, 27; captains, IV, 362; steersmen, XXII, 378; shipmasters, XVIII, 364; shippers, IX, 115; supercargoes, IV, 369; prices, 28, V, 301, VII, 60, XII, 153, XXVI, 114, 265, 294.

TRANSPORTATION (continued)—

Routes: ocean, Europe to United States, XI, 65, 66, 243, 244, XII, 79, 134, 151, 340, XVIII, 327, XIX, 154, XXI, 197, XXII, 37, 39, 41; Cunard line, XXIX, 140; Hamburg, XXIV, 193, 194; Havre, 192; Liverpool to New Orleans, 194. Coasting, Boston to New York, XXII, 46; to New Orleans, VIII, 349; Charleston to Philadelphia, XI, 106, 107; to New York, 198, 199, XII, 74, 98; New York to Portsmouth, XXIV, 193; to Providence, XXII, 53; to New Orleans, III, 240, XI, 198; to Savannah, 198; to Albany, XXIV, 189. Stage, Baltimore to Wheeling, X, 261; Boston to Providence, XXII, 50, 52; Charleston to Savannah, III, 133; Easton to Reading, 128; Philadelphia to Baltimore, IV, 51; Reading to Pittsburg, XXII, 130; St. Charles to St. Louis, XXIV, 124. Overland, XV, 193. Steamboat, Montreal to Quebec, IX, 327; Cleveland to Buffalo, XXIV, 160, 162; Detroit to Buffalo, IX, 311. Canal, Chillicothe to Columbus, XXIV, 151; Philadelphia to Pittsburg, IX, 114, 115; to Lexington (Ky.), III, 204. Inland waters, Cincinnati to St. Louis, XXI, 42; Mobile to Ohio, VIII, 294; New Orleans to Cincinnati, III, 159, XIX, 129; to Cumberland River, VIII, 314; to Illinois, XII, 257, 258; to Limestone (Ky.), III, 159; to Louisville, 239, XI, 197, 198, XIII, 67, XVIII, 319, XIX, 129; to Nashville, IV, 306; to New York, VIII, 236, XXVI, 126; to Pittsburg, III, 159, X, 218; to St. Louis, XIX, 48, XXVI, 150; to Wheeling XII, 279, 280; Pittsburg to Portsmouth (Ohio), IX, 114; Boston to Oregon, XXI, 335, XXIX, 25, 26; Europe to Oregon, XXI, 368, XXIX, 137; Hawaii to Oregon, VI, 227-230, VII, 74-76, 262, XXI, 317, XXVIII, 13. See also Navigation.

Transylvania, first legislative assembly in, III, 243; university, IV, 188.

"Trapper," sculpture, XXVII, 299.

Trappers, VI, 366; character, VII, 224, XXI, 84, 215, XXVI, 279, XXVII, 55, XXVIII, 175-182, 240, 291; dress, XXI, 176, XXVIII, 175; food, XX, 264, XXI, 249; treachery, 215; retirement, XXVIII, 173; supplies, 337; care of horses, XX, 335; report gold mines, 243; rivers named for, XXVIII, 188; caches, XIX, 217, XXI, 61; at rendezvous, XXVII, 138; licenses, XVIII, 84, 144; maps, XIX, 166; relations with Indians, XX, 80, 346, XXI, 82, 83, 192, 215, XXVIII, 252, 257, 287, 308, 309, 318, XXX, 74; adventures, VII, 223, XXVIII, 225, 236, 266, 270-272, 311, 312; trapping beaver, VII, 223, XXVII, 260, 261; free, VI, 260, VII, 231, XXI, 181, 182, XXVIII, 174, 253, 308; employed, 292, 307, 308; with Astorians, VII, 41, 180, 183, 215, 216, 223, 239, 266; French, XVIII, 119, XXVII, 59, XXVIII, 239, 240; Swiss, 311, 319; localities — Big Horn valley, XXVII, 146; Cahokia, 118; Canadian River, North Fork of, XIII, 265; Colorado River, XXI, 188; Fort El Puebla, XXVIII, 174; Fort Mackinaw, VII, 177; Fountain Creek, XXVIII, 186; Green River, XIX, 180, XXVII, 243; Hot Springs, XVII, 55; Kaskaskia, XXVII, 61; Lake Pend d' Oreille, 339; Laramie River, 160; Little North Fork River, XVI, 175; Malade River, XXI, 244; Missouri River, XVIII, 34; New Mexico, XX, 33; Nipigon, II, 94, 95; Oregon, XXI, 10; Peoria, XXVI, 133; Pierre's Hole, XXI, 64; Powder River, XIV, 103; Rocky Mountains, XVIII, 140, XIX, 189, XX, 23, 24, XXI, 57; St. Louis, VI, 403, VII, 179; Salmon River, XXI, 69; Snake River, XXX, 90; Willamette valley, XXIX, 17, 91; observed by travellers, XIX, 174, XXI, 63, 68, XXVIII, 15, 229, XXIX, 86.

Trappists, history of, XXVI, 191-196; character, 195-197; relations with settlers, 195-197; river named for, XIV, 159; in Illinois, 120; on Mississippi River, XXIV, 127.

Traps, log, XIV, 257; steel, 256; as equipment, XVIII, 37, 48; how made, XIV, 256, 257; observed by Gregg, XX, 242.

Traptown (Md.), described by Woods, X, 199.

Trask, Elbridge, sketch, XXX, 202.

Treason, meaning of term, IX, 200.

TREATIES: Utrecht (1713), VI, 377; Aix la Chapelle (1748), I, 39, 40, 68, 89, 222; Paris (1763),

104, VIII, 42, XIX, 78, XXVI, 146, 148, XXVIII, 32, 35, 36; Paris (American independence, 1783), II, 27, 46, VI, 377, 382, VII, 112, XI, 83, 209, XII, 66, XIX, 79; Jay's (Great Britain-United States, 1794), II, 27, 47, VIII, 45, 81, 228, XII, 31, XXVI, 138; Pinckney's (Spain-United States, 1795), IV, 292, 306, 332, VIII, 312; France-United States (commercial, 1800), XXII, 65; Louisiana purchase (1803), V, 236, XXVI, 149; Ghent (1814), VI, 300, VIII, 82, IX, 188, 196, X, 27, XI, 192, XII, 28, 109, XXI, 280, XXII, 44, XXVIII, 38; Great Britain-United States (commercial, 1815), IX, 196; London (Great Britain-United States, 1818), XXI, 10, 16, XXVIII, 9, XXIX, 53, 57, XXX, 29; Florida purchase (Spain-United States, 1819), VIII, 293, XIX, 217, XXVIII, 29, 37; Russia-United States (commercial, 1824), 29; London (Great Britain-United States, 1827), XXIX, 57; Mexico-United States (1828), XXVIII, 29; Oregon (Great Britain-United States, 1846), XXIX, 96, 115, XXX, 286; Guadalupe-Hidalgo (1848), XX, 79, 169, 236; general Mexican, VI, 12, XX, 27, 28, 202; *Treaties and Conventions between United States and Other Powers*, XXIX, 57.

Foreign: France-Spain (Fontainebleau, 1762), V, 235; (1795), III, 80, 81; San Ildefonso (1800), V, 236, XIV, 138, XXVI, 149, XXVII, 77, 78; France-Great Britain (Amiens, 1802), XXII, 65; Great Britain-Spain (1783), III, 254; (1792), XXVIII, 33; (1800), 33, 34; Mexican-Texan (1836), XIX, 278.

Indian: in general, I, 199, 216, 237, 259, 260, XXVI, 165; commissioner, 165; annuities, XXVIII, 117, 118. Albany (1698), I, 25, 30. Pennsylvania (1732), I, 37; (1736), 237. Lancaster (1744), I, 18, 27, 34, 36. Logstown (1751), I, 70, 71. Euston (1757), I, 100, 186, 196-198, 205-207, 215, 239, 254, 260, 264, 274; (1758), 13, 100, 239, 266, 270, 273, 275, 276, 279; Post's negotiations for, 218-226, 228, 230, 239, 246, 280, 285; (1760, 1762), 85, 118-129. After Pontiac's War (1763, 1764), I, 12, 112, 138, 156; negotiations for, 159-166, 303, 307, 313, 324. Fort Stanwix (1768), I, 27, 50, 56, 88, 130, 187, II, 50, IV, 240, XXIV, 184. Camp Charlotte (Dunmore's War, 1774) IV, 143, 220, V, 279, XIV, 63, XXIV, 149. Fort Stanwix (1784), IV, 89, VIII, 126, XII, 49. Fort McIntosh (1785), IV, 99, VIII, 263, XXIV, 157. Fort Harmar (1789), IV, 89, VIII, 263, XXIV, 157. Greenville (Wayne's, 1795), III, 39, 157, 274, IV, 114, 126, 143, V, 254, VIII, 84, 200, 233, 263, XII, 213, XIX, 80, XXIV, 157. Fort Wayne (Harrison's, 1803), VIII, 283. Detroit (Hull's, 1807), VIII, 227. Brownstown (1808), VIII, 196. Portage des Sioux (1815), V, 222. Ohio cessions (1817, 1818), XII, 213, XIX, 77. Edwardsville (Ill., 1819), X, 334, XXII, 137. Prairie du Chien (1825), XXVIII, 152. Chicago (1833), XXVII, 153, 283. Oregon (1853, 1855), XXX, 16, 192, 222. Puget Sound (1855), XXIX, 153. Atoka (1897), XXVIII, 124, 125. *Indian Treaties*, XXII, 245, XXIV, 114.

Tribal: Arikara (1804), XXIII, 224. Cayuse (1843), XXX, 106. Cherokee (1777), III, 56; (1781), XIII, 183; (Hopewell, 1785), 177; (Tellico, 1803), 181; (1817), 177, 190, 192, 195, XVII, 13, 25, 28; (1828, misprinted 1823), XIII, 195, XXVIII, 128; (1835), XIII, 177. Cheyenne (1825), V, 140. Chickasaw (1834), XXVIII, 125. Choctaw (1820), XIII, 305, 306; (1825), 306, XX, 306, XXVIII, 125; (1830), 125. Cœur-d'Alène (1873), XXVII, 283. Comanche (1835), XX, 126. Creek (Indian Springs, 1825), XXVIII, 129; (1832), 130; (1833), 130. Delaware — in general, XXII, 96; with Penn (1682), I, 34, IV, 43, 44, XI, 107, XXII, 64; (1804), 178; (1818), XXVIII, 138; (1829), 138; (1854), 138. Flathead (1855), XXVII, 141. Iowa (1808), VI, 51; (1824), XXII, 245; (1836, 1854, 1861), XXVIII, 145. Kansa (1825), XXVIII, 140. Kaskaskia (1803), XXVII, 61. Kickapoo (1819), X, 334, XXVIII, 141 (see also Edwardsville, above); (1832), XXII, 254, XXIV, 114, XXVIII, 141; (1854), 141. Lakmiut (Luckiamute, 1851), XXX, 175. Mandan (1825), XXIV, 50. Miami (Twightwee, 1748), I, 20, 48; (1818), XXVIII, 135. Omaha (1830), XXVIII, 147. Osage (1808), V, 60, XVI, 275-280; (1818), XIII, 282; (1825), XXII, 249, XXVIII, 132, 133; (1865), 132. Ottawa (1759), I, 104; (1831, 1867), XXVIII, 136. Pawnee (1819), XV, 347-356; (1833), XXVIII, 148, 149. Piankashaw (1750), I, 91-93; (1804), XXII, 178; (1854), XXVIII, 135. Potawatomi (1833), XXVIII, 134. Quapaw (1818, 1824), XIII, 117, 132, 133, 140. Santiam

TREATIES: *Tribal* (continued)—

(1851), XXX, 184. Sauk and Fox (1804), XVIII, 31, XXI, 122, XXII, 226, XXVIII, 141; (1815), XXI, 122, XXVIII, 141; (1816), XVIII, 33, XXI, 123, XXVIII, 141; (1830, 1832, 1836, 1861), 141, 143, 144. Shawnee (1854), XIX, 196 (see also Camp Charlotte, above). Sioux (1825), XXII, 279. Wallawalla (1855), VII, 137. Wea (1750), I, 91-93. Yakima (1855), XXVII, 387.

Foreign-Indian: French-Natchez (1722), XIII, 348; French-Indian (1724), XV, 130; French-Chickasaw (1740), XIII, 362; Mexican-Apache, XVIII, 13, XX, 76; Mexican-Navaho, 72, 73; Spanish-Indian, XVIII, 112-118; Texan-Comanche, XX, 349; Cherokee-Confederacy (1861), 303.

Fur Companies: I, 78; Arikara (1832), XXIII, 226; Blackfeet (1831), VI, 138, XXI, 45, XXIII, 23, 40, 90, 152, 164; Nez Percés (1813), VII, 221; Pattie's company (1825), XVIII, 70, 113-116, 120, 208, 209.

Intertribal: in general, XX, 107, 108, XXIII, 228; ceremonies for, XX, 321-323. Assiniboin-Mandan, XXIV, 80; Assiniboin-Minitaree, XXIII, 200; Cherokee-Osage (1818, 1819, 1822), XIII, 192, 236, 277-279, XVII, 19-21; Cheyenne-Pawnee, XVIII, 49; Comanche-Ietan, 67, 68; Creek-Seminole (1856, 1866), XXVIII, 128; Iowa-Omaha (1818), XIV, 287; Iroquois-Western (1692), I, 23, XIII, 344; (1765), I, 154, 155; Kansa-Osage (1806), XIV, 195; Kansa-Oto (1819), 228, 269, 270, XVII, 154; Mandan-Sioux (1833), XXIV, 13, 54; Menominee-Oneida (1820), 183; Omaha-Pawnee, XV, 88; Omaha-Ponca, 89; Omaha-Oto (1804), 90; Osage and other tribes, XVI, 274; Potawatomi-Sioux (1839), XXVII, 154; Sauk and other tribes (1821), XIV, 314-317.

Trees. See Timber, and the several varieties.

Trent, —, farmer, IV, 309.

Trent, Charles, erects fort, XXVII, 91.

Trent, Capt. William, Indian agent, I, 56; Ohio Company employs, 95; in Ohio valley, 72, 73, 95, 96; land grants, 130; *Journal*, 56, 94; sketch, 56.

"Trent," in War of Secession, XXIX, 72.

Trenton (Ill.), Ely in, XXII, 268.

Trenton (N. J.), location, III, 130; battle, IX, 52; stage road, 49; taverns, 51; Teedyuscung in, I, 186; Flint, IX, 48; F. A. Michaux, III, 130; described, IX, 52, XXII, 62.

Trenton (Ohio), coal mines near, XXIV, 154.

"Trenton," river steamboat, XXII, 62.

Trevitt, Vic, Oregon pioneer, XXVIII, 367.

Trias, Don Angel, land owner, XX, 195; relations with Gregg, 195-197, 199, 201.

Trichodium laxiflorum, collected by James, XV, 200.

Trifolium, reflexum, XIV, 107; *pentandrum majus* and *floribus purpureis*, III, 68.

Trillium cernuum, III, 29; *erectum*, 28, XIV, 61; *sessile*, III, 59, XIV, 62.

Trilobites, imbedded in limestone, XXVI, 70; observed, IX, 287; described, XIV, 224; *paradoxus*, XIII, 61.

Trimble, —, in Mississippi, IV, 348.

Trimble, Edward, Oregon emigrant, XXX, 251-254.

Trinity (Ky.), settlement, XXII, 204.

Triosteum perfoliatum, observed by Baldwin, III, 29, XIV, 111.

Tripe de roche, described, II, 156, 164.

Tripp County (S. Dak.), drainage, XXII, 291.

Trippel, Eugene J., *Tuma Indians*, XXVIII, 260.

Triton lateralis, described, XIV, 45-47, XXII, 143.

Trochites, observed by Flint, IX, 287.

Troglodytes, numerous, XXII, 190.

Trois Rivières (Can.). See Three Rivers.

Trollope, Adolphus, author, XXI, 44.

Trollope, Anthony, author, XXI, 44.

Trollope, Frances Wilson, establishes bazar, XXI, 44; quoted, XXII, 171, XXIV, 134, 166; *Domestic Manners of Americans*, XXI, 44, XXII, 42, XXIV, 143; sketch, XXI, 44.

Troopials, yellow-headed (*icterus xanthrocephalus*), XXI, 142.

Troops, English, I, 101-103, 153, 163, 244, 282, VI, 380, XIX, 29, XXI, 39, XXII, 47, XXVI, 138, XXVII, 78, 80; French, 84; Mexican, XVIII, 363, XIX, 276, 277, XX, 73, 77, 130, 144, 158, 174, 224, 226, 230, 231, 232; Spanish, XVIII, 78, 79-81, 280, 281, 349, 376, XXVI, 117, 148; United States, volunteers, XIV, 230, XX, 205, XXII, 314, XXIII, 198, XXX, 161, 222; army of the West, XVII, 12; department, XXVI, 134; in Revolution, IV, 29, 30, VIII, 126, 159, IX, 52, XXI, 39, XXII, 77; Tecumseh's War, XIX, 66; War of 1812-15, VIII, 173, XII, 290, XIX, 148, XXVI, 31, 280; Mexican War, XVIII, 73, 77, 361, 363, XIX, 221, 252, XX, 230; War of Secession, 151; accompany expeditions, IX, 164, XV, 191, XVI, 192, XVII, 66, XXI, 99; escort caravans, XIX, 178, 185, 186, XX, 105, 107, 222, 233, 234; artillery, I, 242, VIII, 200, XIII, 361, XIV, 39, 41, XVII, 67, 97, 98, XIX, 260, XXVI, 31; cavalry, 136, 137; dragoons, XVII, 12, XIX, 187, XX, 212, 244, XXVI, 138, XXX, 39, 44, 45, 66; engineers, XVII, 67, 182; infantry regiments, XIV, 39, 71, 172, 176, 179, 230, 283, XVI, 85, 186, XVII, 12, 66, 67, XVIII, 313, XX, 108, XXII, 215, 230, XXIV, 114, XXVI, 31; rangers, XVIII, 31, 32, XX, 107, 213, XXII, 254, XXVI, 138; rifle corps, XIV, 168, 172, 175, 178, 230, XV, 190, XVI, 58, 186, 187, XVII, 98, XVIII, 313, XIX, 69; levies of 1791, XVII, 66; relations with Indians, XV, 109, 110, 149, XX, 79, XXI, 71, XXIII, 83; as guides, XVI, 282, 283; scouts, XIX, 221; mail-carriers, XVII, 15; road-builders, VIII, 63; attitude of frontiersmen toward, 167-169, XIV, 130; character, VIII, 167-169, 171, 173, 211; at frontier forts, I, 117, 122, 123, 240, III, 60, 262, IV, 328, XIII, 105, 174, 193, 197, XIV, 158, XV, 100, XVI, 191, XVII, 21, XVIII, 32, XIX, 28, 69, 121, XX, 138, XXII, 254, XXIII, 225, XXVI, 134, XXVII, 62, XXX, 45, 74; purchase canoe, VIII, 51; use passports, XVIII, 231; in Arkansas, XIII, 110, 144, XIX, 185, 186; in Baton Rouge, XIII, 308, XIX, 130; Harper's Ferry, XI, 146; Kaskaskia, XXVII, 61; on Missouri River, XIV, 96, 124, 152, 172, 178, 259, 260; in New Mexico, XIX, 271; Newport (Ky.), X, 237; St. Louis, XXVI, 114; barracks for, X, 237, XVII, 103, XIX, 37, 283, XXVI, 175; arsenal, XI, 146; uniforms, VIII, 61, 103, X, 237, XVIII, 355; bayonets, VII, 63, XXI, 33; canteens, XV, 192, XIX, 179; deserters, XVII, 100, XXIV, 100; commandants, XXVII, 51; generals, V, 291, X, 346, XI, 182, 230, XXVI, 134; colonels, V, 291, X, 346, XII, 227; captains, V, 290, X, 346, XII, 154, 227; adjutants, V, 291; surgeons, XXIV, 147. See also Ammunition, Arsensals, Militia, and Wars.

Trout, habitat, II, 79, 118, 150, 197, III, 370, IV, 92, XXVI, 135; size, XXI, 199; quality, 209; scarce, XXVII, 359; abundant, VIII, 234, XIX, 282, XXI, 194, 198, XXVII, 365, XXVIII, 180, XXIX, 191, 254, 272, XXX, 75, 77, 79, 176; caught, XXIV, 234, XXVIII, 223, XXIX, 257; as food, XXVIII, 242; observed, XXVII, 260; brook, VI, 396, XXIX, 51; Mackinac, VIII, 231.

Troximon, cuspidatum, V, 319; *glaucum*, XV, 288; *marginatum*, 200.

Troy (Ind.), origin of name, X, 329; flag in, XXVI, 64; Woods, X, 248; sketch, 248.

Troy (Ky.), described by Nuttall, XIII, 68; population (1820), 68.

- Troy (Mo.), McNair in, XVIII, 32.
- Troy (N. Y.), commerce in, VIII, 118; Ball, XXI, 73; Evans, VIII, 116, 117; Franchère, VI, 191; Romeyn, XII, 75; Vanderburgh, XI, 209; Lyceum of Natural History, XVII, 227; described, VIII, 117.
- Troyes, Chevalier de, expedition against Hudson Bay, II, 164.
- Trucksville (Ohio), described by Flint, IX, 307.
- Trudeau, Capt. Don Zenon, in St. Louis, III, 31, 80; Spanish governor, V, 250, VI, 36.
- Trumbull, Mrs. —, daughter of, IV, 344.
- Trumbull, G., in Fort Vancouver, XXI, 73.
- Trumpet flowers (*bignonia radicans*), XXII, 49, 58, 61, 69, 206.
- Trusdale, William, in West Virginia, IV, 237.
- Tryon County (N. C.), III, 55.
- Tschantoga (les gens des bois) Indians, affinity, XXII, 388.
- Tschpunka, Sioux chief, XXII, 310.
- Tsillane, Okinagan tribe, VII, 275, 276.
- Tsonontouan. See Seneca.
- Tsoughilam, Cowichan chief, XXIX, 149.
- Tualatin County (Oregon), boundaries, XXX, 214, 215.
- Tualatin Plains (Oregon), as a boundary, XXX, 169; Griffin settles, XXVIII, 275; Burnett in, XXIX, 280, XXX, 224; Gilmore, 149; Meek, XXVIII, 290; Newell, XXX, 179; described, 168; view from, 165; sketch, 168.
- Tubiporites*, described, XIV, 224; *strues*, 224.
- Tucan (animal), described, XV, 168.
- Tuckasegee Ford (N. C.), A. Michaux on, III, 101, 104.
- Tucker, —, on Arkansas River, XIII, 170.
- Tucumcari (N. Mex.), railroad junction, XX, 141.
- Tufa, calcareous, XIII, 283, XXX, 90.
- Tufts, Capt. —, "Constitution" commanded by, XXI, 92, 93.
- Tukan Haton. See Little Soldier.
- Tulip trees (*lyriodendron tulipifera*), habitat, III, 147, 173, XII, 206, 208, XIII, 104, XXIV, 121, 158; foliage, 132; blossoms, V, 280; size, XXIV, 118; scarce, XIII, 297; abundant, XVI, 188, XVII, 87; soils adapted to, XIV, 184; observed, XXII, 55, 58, 90, 110, 135, 148, 198; described, 61, 62, 166, 193.
- Tulla Indians, De Soto among, XIII, 329.
- Tuller, Jeremiah H., in Oregon, XXX, 142.
- Tulloch, A. J., builds Fort Van Buren, XXVII, 146.
- Tulpenhocken, Weiser at, I, 44.
- Tultec Indians, emigrations, XXII, 174.
- Tumbleton Park (Colo.), head, XXVIII, 228; described by Farnham, 230. See also Egeria Park.
- Tummatapam (Tummeatapam), Shahaptian chief, relations with Astorians, VII, 138, 141, 198, 221, 240-242.

- Tumwater (Wash.), Simmons in, XXX, 225.
- Tunica (La.), location, VIII, 328.
- Tunica Bend, Loftus near, I, 305.
- Turcotte, J. B., Astorian trapper, VII, 215; murdered, VI, 344.
- Turell, —, cabinet, III, 361.
- Turgot, Anne Robert Jacques, quoted, XXVI, 328.
- Turkey buzzards, habitat, III, 359, VI, 244, 323, XXII, 160, 161, 206, 208, 292, 299, XXIII, 250, XXIV, 85, XXVIII, 222; numerous, X, 45, XV, 247, XVI, 172, XVIII, 86, XXII, 337; as food, XXIII, 277; crop, as remedy, XXIV, 96; observed, V, 68, XIV, 44, XV, 318, 325, XXIV, 95; described, VIII, 324, 325, X, 239, XI, 99, XXII, 190, 195.
- Turkey Hill (Ill.), population, XXVII, 112.
- Turkey Indians, Delaware clan, XXII, 96.
- Turkey's Foot (Pa.), intersection of Youghiogeny branches, III, 333.
- Turkeys, European and United States compared, XXII, 191; habitat, I, 130, 319, III, 33, 63, 76, 82, 180, 236, 237, 261, 327, 350, IV, 46, 52, 284, 353, V, 257, VI, 49, 68, 75, 109, VIII, 195, 311, IX, 112, 120, 121, X, 46, 205, 249, 250, 315, XI, 143, 210, 304, XII, 12, 208, 259, XVII, 147, XXIV, 120, XXVIII, 222, 350; size, III, 236; weight, VIII, 195; color, III, 236; plumage, XIX, 142; farm stock, X, 287; food, III, 236, XVI, 135, 146, XVII, 32; habits, XVI, 98, XXII, 133; wolves attack, XXVI, 323; scarce, XIV, 158, XIX, 325, XXII, 240; abundant, XI, 256, XIII, 72, 141, XIV, 93, 175, XVI, 151, 172, XVII, 32, XIX, 281, 328, XX, 115, 282, XXI, 47, 139, XXVI, 163, XXIX, 125; hunted, X, 263, XI, 208, 228, XIII, 69, XIV, 79, 181, XVI, 41, 52, 54, 58, 124, 244, 253, 256, 261, XVIII, 90, XXI, 129, XXII, 251, XXIV, 107, 109; as food, I, 311, 321, III, 180, IX, 161, X, 134, 356, XI, 263, 289, XIV, 278, XVI, 150, 249, 254, 261, XVIII, 88, 108, XXII, 193, XXX, 46; as present, XXIX, 371; in trade, I, 310, V, 202, XVIII, 116; price, V, 201, 257, 288, VIII, 341, IX, 139, X, 74, 108, 124, 291, XIII, 88, XIX, 135; Indians mimic, XV, 114; feathers, XIII, 258, XXII, 68, 297, XXIII, 261; tails, XIV, 197, XXIII, 103, XXIV, 74; water, XXVI, 135; white, VI, 56; observed, XV, 184, 322, XVI, 125, XXII, 162, 168, 178, 192, 241, 297, XXIV, 97; described, X, 291, XIX, 142, XXII, 247, XXVI, 365, 366.
- Turner, Charles T., quoted, XXVI, 305.
- Turner, Frederick Jackson, *Fur Trade in Wisconsin*, II, 11, 75, 79, VII, 35, XXIII, 25; *Genet's Projected Attack*, III, 13; *Western State Making*, 46, 170, 281.
- Turner, John, in Oregon, XXI, 329, XXX, 174.
- Turner, O., *Holland Purchase*, VIII, 42.
- Turner family, massacre of, XXX, 192.
- Turnips, X, 301, XIII, 284; on Columbia River, VI, 319; cultivated, X, 202, 296, 301, XI, 137, 140, 142, XXI, 281, XXVIII, 334; quality, IX, 254, X, 204; prices, 74; food, VI, 116, XXIX, 66; fodder, X, 339; sea store, XII, 158; Norfolk, 133; rutabaga, X, 11, XXVIII, 334; Swedish, X, 301, XII, 133; wild, XXII, 295.
- Turpentine, produced by piñon, XIX, 297; trees, XXVII, 225.
- Turpin, —, in Clarksville (Tenn.), III, 84.
- Turquesa (N. Mex.), turquoise mines in, XIX, 303.
- Turquoise mines, in New Mexico, XIX, 303.
- Turritellites*, described, XIV, 223; observed by Long, 62; Nuttall, XIII, 173.

Turtle-doves, habitat, XVII, 147, XXVI, 355; abundant, XXII, 280; observed, 74, 196, 198, XXVI, 258.

Turtle Indians, Delaware clan, XXII, 96.

Turtles. See Tortoises.

Tusayan confederacy, XVIII, 130.

Tuscarawas County (Ohio), towns in, XXIV, 153, 154, 156.

Tuscarora Indians, Iroquois tribe, II, 43, VIII, 127, XXIV, 163; habitat, I, 167, II, 45, 50, XXIV, 173; migrations, II, 43, 44, VIII, 158, XXIV, 163, 175; vocabulary, XXII, 32; physiognomy, XXIV, 176; dress, 181; use masks, VIII, 157, XIII, 290; adopt Oneida, VIII, 158; missionary among, 157, 158; divine service, XXIV, 173; in Revolution, XIX, 149; War of 1812-15, VIII, 182; population, I, 167, XIX, 150; sketch, 150, XXIV, 175.

Tuscarora (Pa.), location, XXII, 115.

Tushepaw Indians. See Flatheads.

Tutelpinco Indians, De Soto among, XIII, 331.

Tuza (or Tozan), described, XV, 168.

Twigg, William A., in New Harmony (Ind.), XXIV, 133; aids Maximilian, XXII, 186.

Twigtwee (Twightwee) Indians. See Miami.

Twiner, —, on Arkansas River, XIII, 144.

Two Kettle (Two Cauldron) Indians, Teton band, XXII, 326, XXVII, 166.

Two Ravens (Péhriska-Rúhpa), Mandan chief, XXII, 345, 363.

Tywapata (Mo.), unhealthy, XVII, 86.

Tyler, —, music master, IV, 79-81.

Tyler, John, president, IV, 82.

Tylor, E. B., *Primitive Culture*, XXIII, 300.

Typha, abundant, XXIV, 108.

Tyrannus forficatus, described, XVI, 251, 252.

T'Vault, Col. William G., editor, XXX, 160.

УАХКТАННО (killer), treaty with Grosventres, XXIII, 200.

Uatschin-Tonshenih (fool), Indian chief, XXIII, 204.

Uitchasta-Juta (cannibal), message to McKenzie, XXIII, 204.

Ulchan. See Candlefish.

Ulloa, Antonio de, governor of Louisiana, XXVI, 116, 148.

Ulloa, Francisco de, Spanish explorer, XXVIII, 30; cited, XV, 41.

Ulloa, San Juan de, in Vera Cruz, XIX, 274.

Ulmus, III, 29, 75; *americana*, 84, XIV, 62, XVI, 128; *fungosa*, III, 59; *fulva*, 62; *jungosa*, 83; *viscosa*, 59, 98, 101, 212.

Ulysses (N. Y.), Evans in, VIII, 129.

Umatilla Indians, Shahaptian tribe, VI, 340, VII, 137.

Umatilla County (Oregon), trail, XXI, 273.

Umene Indians. See Yuma.

- Umfreville, Edward, II, 13, 169, 170; *Present State of Hudson's Bay*, 169.
- Umpqua Indians, population, XXIX, 99.
- Unalachtgo Indians, Delaware tribe, I, 220.
- Unamis Indians, Delaware tribe, I, 220, 280.
- Unicorn plant (*martynia proboscidea*), described, XVI, 44.
- Unio*, habitat, XXIII, 233; *ohiotensis*, III, 189.
- Uniola*, observed by Nuttall, XIII, 273; *spicata*, 273.
- Union Church (Miss.), formerly Uniontown, IV, 317; Cuming in, 348; population, 317.
- Union County (Ill.), Muddy River in, XIV, 95.
- Union County (Iowa), river in, XXVII, 227.
- Union County (N. Mex.), creek in, XIX, 234; mountains, 234, 241.
- Union County (Oregon), Grande Ronde in, XXI, 271; trail, 273.
- Union Pacific Railway Company, lands purchased by, XXVIII, 138; route, IX, 165, XV, 193; junction, XXX, 73; timber used by, XV, 224.
- Union Village (Shakerstown, Ohio), founded, IX, 299; described, 299, 300; sketch, 299.
- Uniontown (Ky.), Cooper in, IV, 269.
- Uniontown (Miss.). See Union Church.
- Uniontown (Ohio). See Waverly.
- Uniontown (Pa.), road, III, 363, X, 207, 353, XII, 284; Braddock's grave in, XI, 166; Harris, III, 363, 372; population (1803), 363, 364; described, X, 214, 215; sketch, III, 363, 364.
- Unionville (Ill.). See Collinsville.
- Unis, Juan, owns copper mines, XVIII, 111, 116; relations to Pattie, III, 116, 119.
- Unita County (Wyo.), Divide in, XXVIII, 288.
- Unitarians, disliked by other sects, XI, 115; belief, X, 158; in Albion (Ill.), 124, 129, 161, 318, XI, 253; Baltimore, XII, 290; Philadelphia, IX, 55; Washington, XI, 120.
- United British Emigrant Society, in Philadelphia, IX, 57.
- United Foreign Missionary Society, dispatches missionaries, XVII, 82.
- United States, climate, XII, 81, 206, 207, XIII, 115, XXII, 84; first settlements, XVIII, 76, XIX, 284, XX, 296; frontier, 239; boundaries and boundary disputes, VI, 382, XIV, 41, XVII, 148, 240, XVIII, 87, 365, XIX, 175, 278, XX, 107, 238, 242, 256, XXVII, 330, XXVIII, 29, XXIX, 76, 272; acquires Arkansas, IV, 298; Florida, VIII, 293; Illinois, III, 72; Louisiana, VIII, 298; Northwest Territory, IV, 104; Oregon, XXVIII, 35-39, XXIX, 39, XXX, 213; rights in foreign countries, XIX, 308; sectional differences, XII, 311, 312; relations to the West, III, 13, XII, 312; *Executive Documents*, XXII, 139; Senate, XI, 97, XII, 26, 45, 329, XVI, 191, XVIII, 41, 153, XIX, 178, 218, XX, 107, 141, 213, XXIII, 325, XXVI, 66, XXVII, 158, 241, 338, 373, XXVIII, 298, 314, XXIX, 23, 24, 41, 304, 330, XXX, 45, 46; House of Representatives, XII, 26, 28, 31, 43, 56, XX, 307, XXI, 16, 25, XXVII, 215, XXVIII, 374, XXIX, 33; Engineers, *Report*, 28, 374; Bureau of Ethnology, *Reports*, I, 34, II, 138, 183, III, 362, IV, 116, V, 86, 104, VI, 146, 384, XIII, 127, XIV, 288, XV, 15, 157, XIX, 221, XX, 56, 65, 68, 286, 297, 352, XXI, 40, XXII, 305, 370, 388, XXIII, 264, 279, 291, 300, 361, XXIV, 57, 128, 300, 302, XXVI, 69, XXVIII, 147, 159, 268; Geological and Geographical Survey, *Publications*, XV, 66, XXII, 350, XXIII, 270, XXVIII, 31; Interior Department, XXVI, 10; National Museum, *Report*, II, 83; Navy Department, IX, 45, 46, XV, 165; Patent Office, IX, 43, 44, XI, 118, XII, 107, 122, 330, XIV, 41, XXVI,

UNITED STATES (continued)—

- 161; State Department, V, 9, VIII, 227, XIII, 198; War Department, VIII, 209, 233, 292, XII, 51, 109, 132, XIV, 15, 18, 37, 38, 40, 249, XV, 165, 188, 189, 191, 202, XVII, 68, 94, 180, 182, XIX, 237, XX, 105, 129, XXIII, 191, XXVI, 213, XXVIII, 125; Weather Bureau, XX, 116. See also American State Papers, Congress, Lands, Politics, Washington (D. C.), and the several departments and states.
- "United States," vessel, described by Faux, XI, 197.
- Unity Township (Pa.), hill in, I, 244.
- Univalve, turretted (fossil), XIV, 227.
- Universalists, in Philadelphia, IX, 55.
- Unkepatine Indians, population, XXVII, 166.
- Unona aromatica*, described by Humboldt, XVI, 177.
- Upper Alton (Ill.), Flag in, XXVI, 207; described, 203, 204.
- Upper Skeena River Agency, Sekanai on, XXIX, 253.
- Upper Spring, Gregg at, XIX, 232.
- Upright Horn (Ahaganashhe), Omaha chief, XIV, 267, 268.
- Upsaroka Indians. See Crows.
- Upshur, Abel Parker, killed on Potomac, IV, 82.
- Urolepsis aristulata*, observed by Nuttall, XIII, 273.
- Urbina, —, boatman, XXIII, 167.
- Ures (Mex.), on Sonora River, XVIII, 151.
- Ursulines, convent in New Orleans, IV, 341, 342, 368.
- Urtica*, size, XVII, 87; *inermis*, III, 30; *pumila*, XIV, 156.
- Usk (Wash.), site, XXIX, 178.
- Utah, boundary, XXI, 199, XXVIII, 233, XXX, 91; lake in, 78; river, XVIII, 139; mountains, XXI, 199; Green River, 60, XXVIII, 223; Indians, XVIII, 140, XXVII, 167; Unita reservation, 165; Ogden explores, XXI, 314; Mormons in, XXVI, 358; governor, XXIX, 372.
- Utchis Indians, war with Creeks, XIII, 305.
- Ute (Eutaw, Yout) Indians, linguistic affinities, XX, 83; tribal affinity, XXVIII, 212; bands, XXVII, 166; habitat, XXVIII, 163, 190, 194, 212, 248; migratory, XX, 83; brave, 85; haughty, XXVIII, 166; religion, 212; burial customs, XXVII, 165; occupations, XX, 83; trail marks, XXVIII, 198; hunters, 163, 209, 211; war parties, 204; war with Shawnee, XX, 84; with Snakes, XXVIII, 262; peace with other tribes, XIX, 197; attitude toward Americans, XX, 84-86; battle with fur-traders, XXVIII, 166-170; trade with Fort William, 161; depredations of, XX, 70; population, 83, XXVII, 165, 168, XXVIII, 190; described, XXVII, 168, XXVIII, 190; sketch, XXVII, 165.
- Utica (N. Y.), originally Fort Schuyler, VIII, 42; Indians, 127; Erie canal, 88; rivalry with Whiteborough, XXIV, 185; Buttrick in, VIII, 42, 88; Gray, XXI, 353; population (1827), XIX, 153; described, 152, XXIV, 186; sketch, 186.
- Utricularias*, observed by Long, XVII, 16; *longirostris*, XV, 226.
- Utsanango, Indian village, I, 167.
- Uttawa Indians. See Ottawa.
- Uvularia grandiflora*, observed by Long, XIV, 62.

VACA, CABEZA DE, geographical nomenclature, XIII, 336.

Vaccinium, III, 230.

Vaccine, as a remedy, XVIII, 274, 277, 285.

Vachard, —, expedition to Fort Union, XXIII, 164.

Vail, Eugene A., *Notice sur les Indiens*, XXIV, 224.

Vaill, —, clergyman, XVII, 82.

Vaillant, François le, *Voyages dans l'intérieur de l'Afrique*, cited, XXIII, 257.

Valencia County (N. Mex.), salines in, XIX, 311; pueblo, 302, 336, XX, 64; seat, 48.

Valenciennes, Achille, zoological works, XXII, 170.

Valeriana, III, 53.

Valladolid (Mex.), Iturbide in, XVIII, 362.

Vallar, André, with Robert Stuart, VII, 198.

Vallé, C. C., VI, 403; land purchase, XXVI, 96.

Vallé, François, Jr., VI, 403; landowner, XXVI, 96; owns mine, 95.

Vallé, John, VI, 403; landowner, XXVI, 96.

Vallejo, Guadalupe, *Ranch and Mission Days in Alta California*, XVIII, 263, 307.

Vallejo, Ignacio, Mexican Spaniard, XVIII, 291.

VALLEYS —

Appalachian, extent, XII, 22; Cherokee in, XIII, 177.

Arc-a-plat, described, XXIX, 195.

Arkansas, VI, 154.

Assiniboin, traders in, XXII, 16.

Athabasca, Assiniboin in, XXIX, 252, 253.

Aughwick, road, I, 22.

Bayou Salade, described, XXVIII, 197.

Bear Lake, trail, XXX, 78.

Bear River, geological formation, XXX, 84; interesting scientifically, XXVIII, 295, 296; irrigation, 294; described, XXX, 76.

Beaverhead, origin of name, XXVII, 250; De Smet in, XXVI, 17, XXVII, 253.

Big Horn, Indians in, V, 226, XXVII, 146.

Bitterroot, Indians in, XXVII, 141; missions in, XXVI, 17, XXVII, 369, XXVIII, 16; described, XXVII, 333, 334, XXIX, 322.

Blue River, arable land in, XXVIII, 218; boundary, 220.

Boise, trail, XXX, 98.

Brown's Hole, described, XXVIII, 278.

Bull-pen, described, XV, 235.

Burnt River, trail, XXX, 102.

Canadian, rock salt formations in, XVII, 213; described, XX, 132.

Cassia, farms in, XXX, 91.

Of chasms, described, XXVIII, 298-300.

Chehalem, settlements in, XX, 23, XXX, 169.

VALLEYS (continued)—

- Chehalis, lumbering in, XXIX, 81.
- Cherry, Evans in, VIII, 118, 122; massacre of, II, 54, 217, VIII, 122; turnpike, 56, 118; land grant to Croghan, I, 51.
- Cimarron, Gregg in, XX, 90.
- Clackamas, width, XXX, 155; Palmer in, 14.
- Clark's Fork, trail, XXVII, 338.
- Cœur d'Alène, described, XXIX, 290.
- Columbia, named by Lewis and Clark, VII, 118; visited by De Smet, XXIX, 211; Palmer, XXX, 114; emigration to, XXVIII, 45; epidemic in, XXIX, 67; federal claim to, VI, 185.
- Colville, mission in, XXIX, 191.
- Connecticut, XXVI, 132; Mohican in, I, 31.
- Conomaugh, described, XXII, 137.
- Cove, granite in, XVII, 58; described, 56.
- Cowlitz, quality of soil, XXIX, 47, 48; cross planted in, XXVII, 369; Americans in, 386; Plomondeau, 386.
- Delaware Gap, described, XXII, 93.
- Deer Lodge, trace, XXVII, 253.
- El Paso, population, XX, 155.
- Encinillas, fertility, XX, 160.
- Flathead, missions in, XXIX, 309.
- French Broad (Tenn.), road, III, 58.
- Genesee, Indian reservations in, VIII, 184; canal, XIV, 59.
- Grand River, trappers in, XXVIII, 240; Farnham, 226, 227.
- Grande Ronde, described, XXVIII, 325, XXX, 105.
- Great Bear, described, XXVIII, 292-294, 298.
- Green River, rendezvous, XXVII, 147; Farnham in, XXVIII, 282.
- Green's (Ohio), settlements in, IV, 150.
- Holston, West in, IV, 316.
- Horse, described, IV, 53; Wagstaff in, 59.
- Illinois, elevation, XVII, 178; described, XIX, 55.
- Juniata, described, XXII, 132, 133; road, I, 22.
- Kanawha, buffaloes in, III, 37; Cherokee, XIII, 177; salt works, X, 226.
- Kansas, settlements in, XIV, 213.
- Klamath, described, XXX, 192.
- Kootenai, described, XXIX, 205.
- Lake Champlain, formation, XVII, 238.
- Lehigh, settlements in, XXII, 119; road, 123; railroad, 118; described, 119, 121.
- Licking, canal in, XXIV, 151.
- Ligonier, F. A. Michaux in, III, 148; agriculture in, 151; compared with Greenburg (Pa.), 152.
- Madison, Bannock in, XXVIII, 319.

Mahoning, limestone in, XXII, 126; Maximilian, 124.

Mauvaises Terres, buffaloes in, XXIII, 175; Maximilian, 174.

Mississippi, VI, 154; described, V, 244, VI, 101, XIV, 48, XVII, 92, XXVI, 267, 268; geological formation, VI, 156, XIV, 77, XVII, 104, 105, 183, 197, 201, 203, 214, 244, XXVI, 63, 70, 87, 163, 346, XXVII, 109-115; drainage, XVII, 62, XXVI, 63; birds, 147; trees, XIV, 57, 70, XX, 335; breezes, IX, 307; agricultural conditions, XIV, 52, XXIX, 72; Indian mounds, XIV, 54, XVI, 30, XXVI, 158, 188; nations in control, 143; Ponce de Leon in, 230; French occupation, 78, 133, 143, XXVII, 39, 40, 49, 50, 52, 60, 91, 92; early settlers, XVII, 119, XXVII, 108; early proprietors, 73, 74; oldest building, IV, 368; Long's explorations, XVII, 103, 174-180; forts, XXVII, 40; smelting furnaces, 43; commerce, XIX, 122, XXVI, 81; steamboats, 62; prairie scenes, 274; diseases, XIV, 142, XVII, 119, XIX, 286; comparison with New England, VIII, 348; scheme to exploit, V, 248, XIII, 314, XXVII, 42, 49; influence in Illinois College, XXVI, 309.

Missoula, De Smet in, XXVII, 362.

Missouri, VI, 154; described, V, 13, XIV, 145-148; geology, 142, 180, XXVI, 202; Indians, XXVIII, 153; French, V, 42, VI, 61; settlements, III, 19, XIV, 213, XVII, 119, XVIII, 11; Bradbury in, V, 70; Louis Philippe visits, III, 217.

Mohawk, II, 37, 48, 50, 126, 211, 216, 217; outpost, XXIV, 187; portage, 184; Johnson in, I, 88; Maximilian, XXIV, 186; Morris, I, 296.

Monongahela, road, I, 21; Braddock in, 295; Virginians, III, 107.

Mouse, inducements to settlers, XXX, 176.

Multnomah, McKay in, XXI, 201.

Napa, Boggs in, XX, 98.

Nescopeck, described, XXII, 115, 116.

Neskihone (Neskihoning), described, XXII, 118.

North Park, location, XV, 235.

Northwest Territory, V, 275.

Nuuanu, battle of, VI, 216.

Ohio, geological transitions, XIV, 75; soil, XVII, 112; climate, XIV, 63, XXII, 171; breezes, IX, 307; comparison with Mississippi, XXVI, 111; red beech, XVII, 116; archaeology, XIII, 347, XXII, 174; Indians, XIII, 177; French claims to, I, 59, 71, 72, 74; English ordered from, 53, 59, 61; English ascendancy, 72; border wars, III, 192; first settlers, 192; land titles, XIV, 63; population, III, 171, 174, 189, 191, 192, 194, 195, IV, 141, XIV, 63, XVII, 106-108; commerce, III, 195, VIII, 294, XIX, 11, 12, 30; Bullock in, 138; Croghan, I, 48, 58, 59, 92, 238; Haslett, 244; F. A. Michaux, III, 20.

Okanagan, De Smet in, XXIX, 275.

Ottawa, progress in, VI, 402.

Path (Pa.), described, IV, 55.

Pawnee Fork, Farnham in, XXVIII, 81.

Pecos, described, XIX, 252, XX, 143.

Peter's. See Pierre's Hole.

Platte, described, XVII, 192.

Pope, why named, XVIII, 263.

Powder, trappers' rendezvous, XXIV, 103; landmark in, XXVIII, 324; Palmer, XXX, 104, 105.

VALLEYS (continued)—

- Red, VI, 154; Nicollet in, XXVII, 190; Nolin, VI, 395; Ross, VII, 11.
- Rio del Norte, settlements in, XIX, 284; vineyards, 296.
- Rocky Mountain, De Smet in, XXIX, 229, 230; Maximilian, XXII, 74-76.
- Rogue, described, XXX, 191, 192.
- St. Ignatius, agriculture in, XXIX, 307.
- St. Mary's, De Smet in, XXIX, 302.
- Sakena (Upper), soil, XXII, 77.
- Sangamon, described, XXVI, 320.
- Saptin, elevation, XXIX, 31.
- Saskatchewan, described, XXIX, 217, 218; fur trade, XXII, 16, XXIV, 49.
- Schuykill, coal in, XXII, 115; Olumpias, I, 37; view, XXII, 65.
- Scioto, Indian mounds in, IX, 126; Shawnee, XXIV, 148; canal, 151.
- Shade, Weiser in, I, 22.
- Shenandoah, XI, 156, XII, 206; Baker in, IV, 117; Faux, XI, 13, 156, XII, 21.
- Snake, described, XXVII, 252, XXVIII, 12; irrigation, XXVII, 252.
- Spokane, grazing district, XXIX, 38; described, 38, 39.
- Spring, game in, XX, 115, 118; trail, 217.
- Stone Walls, described, XXIII, 71; lizards, 250.
- Susquehanna, described, XXII, 110; road, 116; Evans in, VIII, 122.
- Sweetwater, trail, XXX, 68.
- Taos, as a boundary, XVIII, 73; Pratte in, 12; elevation, XIX, 283.
- Teton, Maximilian in, XXIII, 137.
- Tuscarawas, settlement in, XXIV, 155; mission, 154; Hickman, I, 235.
- Umpqua, described, XXX, 191; Indians in, 192.
- Valorsine, granite in, XVII, 230.
- Virginia, Spotswood in, XXVI, 217.
- Wabash, described, XXII, 162; hills, 198.
- Wallawalla, Indians in, VII, 137; Farnham, XXVIII, 12.
- Walnut, canal in, XXIV, 151.
- Washita, sandstone in, XVII, 58.
- Western, steamboats in, XXVI, 43, 44.
- White, described, XXIV, 136.
- Willamette, location, VII, 230; mountains, XXIX, 121; climate, VII, 114, 121; animals, 230; fur trade, 228; trails and roads, XXX, 14, 123, 125, 173; as a boundary, 195; Indians, XXI, 302, XXX, 16; Catholic missions, XXVII, 320, 369, 386, 389, XXVIII, 16, XXIX, 97, 126, 143, 180, 279, XXX, 229; Methodists, XXIX, 126; settlements, XXVII, 367, 386, XXIX, 180, 284; population, 98; epidemic, 123; agriculture and stock-raising, VII, 121, 228, XXVIII, 287, XXIX, 24, 91, 118, 121, XXX, 88, 186-190, 295; distilleries, XXIX, 100; commerce, VI, 286, XXX, 297; Bailey in, XXI, 329; Barlow, XXX, 129; Blair, XXVIII, 102; De Smet, XXVII, 401; Farnham, XXVIII, 13, XXIX, 49, 50; Gilbert, XXX, 240; Gilpin, 39; Lee, XXI, 138, 299; Meek, XXX, 40, 124; Palmer, 18, 148,

177-183, 185, 191; Risley, 51; Ross, VII, 114; S. H. Smith, XXI, 73; S. W. Smith, XXVIII, 91; Spaulding, XXX, 296, 297; Waller, XXVII, 390.

Wyoming, road, I, 189; ownership dispute, 187; Indians in, 193, 201, 215; early travellers, 239, III, 340; Maximilian in, XXII, 110; Post, I, 187; Teedyuscung, 179, 186, 187; massacre, 187, II, 54, IV, 89.

Yamhill, described, XXX, 171, 172; farming in, 175.

Yazoo (Yazou), described, III, 167, 168; Craft in, 168.

Yosemite, first American in, XXX, 70.

Youghiogeny, road, I, 21.

Valley Point, home of Lewis, V, 153.

Vallière, Capt. Don Joseph, land grant to, XIII, 107.

Valparaiso, De Smet in, XXIX, 137.

Valverde (N. Mex.), described by Gregg, XX, 151.

Van Alstine, Philip, founds Canajoharie, XXIV, 187.

Van Baun, —, in Pittsburg, IV, 82.

Van Bibber, Isaac, on Loutre Creek, XV, 174.

Van Bibber's Licks, XV, 174.

Van Buren, Martin, cabinet, XII, 65; administration, XIX, 348.

Van Buren (Ark.), latitude, XX, 218; Gregg in, XIX, 15; XX, 100, 104, 218; Hays, 101; sketch, 100.

Van Buren County (Ark.), creeks in, XVII, 25; Long, 25.

Van Curler, Arent, founds Schenectady (N. Y.), VIII, 89, XXIV, 187.

Van Wert County (Ohio), James Riley in, XVIII, 28.

Van Zandt, Nicholas Biddle, *Soil, water, timber, and prairies . . . of military lands between the Mississippi and Illinois Rivers*, IX, 187.

Vanceburg (Ky.), Maximilian in, XXII, 154; county seat, IV, 165.

Vancouver, Capt. George, navigator, VII, 119; on Northwest Coast, VI, 185, 234, 241, 246, 249, 256, 289, VII, 33, 112, 117, 119, 250, XXVIII, 33, 37, XXIX, 75, 116, 117, 120, 140; use of geographical terms, VI, 233, XXIX, 33, 74, 90; map, 76; *Voyage of Discovery*, 74, 75, 90; sketch, VI, 186.

Vancouver (Wash.), British trading-post, VI, 241, XXVII, 301; site, XXX, 158; farming, XXIX, 96; mills, XXX, 159; church, XXIX, 143, 279; boundary, XXX, 206; settlement, XXIX, 95, 96; freshets, 122; governor, XXVII, 235; near Cape Horn, XXI, 346. See also Forts: Vancouver.

"Vancouver" (vessel), endangered, XXIX, 71; Farnham in, 69-72.

Vancouver Barracks, established, XXI, 297.

Vancouver County (Oregon), location, XXX, 214, 215.

Vandalia, —, alleged founder of Vandalia (Ill.), X, 326.

Vandalia (Ill.), location, XXVI, 207, XXVII, 61; roads, X, 327, XXVI, 120; as state capital, X, 326, XIX, 58, XXVI, 318; boundary, 360; Historical and Antiquarian Society, 243; travellers in, X, 326, XXVI, 31, 237, 241, 243-245.

Vanderburgh, Henry, sketch, XI, 209.

Vanderburgh County (Ind.), county seat, X, 45, 251, XIII, 70.

Vanderhuff, Egbert, tailor, VI, 195.

- Vanborn, Maj. —, in battle of Brownstown, VIII, 212.
 Vannosdeln, —, tavern-keeper, X, 205, 262.
 Van Rensselaer, Gen. Solomon, in War of 1812-15, XIX, 148.
 Van Rensselaer, Stephen, president of Mohawk and Albany railway, XXIV, 188.
 Vansittart, N., in Dublin, XI, 266.
 Vaquero. See Cattle, herdsman.
 Vara, Mexican measure, XIX, 290.
 Vargas, Don Diego (Juan Ponce de Leon), in Florida, XXVI, 213, 230; New Mexico, XVIII, 76, XIX, 269, 270.
 Varguacha (Mex.), described by Pattie, XVIII, 150.
 Varner, —, on Red River, XIII, 216.
 Vasey, Baron de, in Santo Domingo, XII, 56.
 Vasques (Bascus), Louis, fur-trader, XXX, 74.
 Vasquez, A. F. Baronet, interpreter, XV, 193.
 Vasquez, Benito, in St. Louis, XV, 193.
 Vasquez, Benito, Jr., fur-trader, XV, 193.
 Vassarac (Mex.), Pattie in, XVIII, 149.
 Vats, hides used for, XVIII, 350.
 Vauban, Sebastian, military engineer, XXVII, 82, 86.
Vaucinum, several species, XVII, 43.
 Vaudreuil, Pierre de Rigault de, governor of Louisiana, XXVII, 45, 46; sketch, I, 174.
 Vaughan, John, treasurer of American Philosophical Society, III, 131, XIII, 26.
 Vaugine (Vaugin), Maj. Lewismore, in Arkansas, XIII, 136, 137, 139, 214; story of Arkansas Indians, 122; Nuttall visits, 138; sketch, 138.
 Vavasour (Vavas seur), Capt. M., in Oregon, XXIX, 193, 194; meets De Smet, 262.
 Veal. See Cattle.
 Vega, Amado de la, in Chihuahua, XX, 201.
 Vega, Garcilaso Inca de la, historian, XIII, 78, 117, 327; cited, 145, 176, 329, 333; *History of Peru*, 118; *Narratives*, 320, 326; sketch, 118.
 Vegetables. See Agriculture, and the several varieties.
 Vegetarians, in Washington (D. C.), XII, 58.
 Velder, John Baptist de, with De Smet, XXVII, 148, 169, 181, 192; sketch, 169, 170.
 Venango (Pa.), trail, I, 22; Quitahicung in, 280; French, 72, 73, 79; English traders, 72; Frazier, 73; Washington, 54.
 Venango County (Pa.), III, 340.
 Venegas, Miguel, Jesuit, cited, XIV, 78, XVII, 191.
 Venice (Ill.), origin of name, X, 330.
 Venice (Ohio), growth of, VIII, 78, 79; described, IX, 311; sketch, VIII, 78.
 Venison. See Deer.
 Ventura (Cal.), mission church in, XVIII, 279.
 Venus (Great Star), veneration of Indians for, XV, 151; sacrifices to, 152, 153, 154; noted, 264.

- "Venus," rules of order, XII, 154; steerage accommodations, 155; provisions, 156-159; passengers, 151, 152, 155, 157; boy born on, 156; accidents, 151, 152, 155, 161, 162; Welby on, 151-163; astronomical observations, 160, 161.
- Venyard, Etienne, Sieur de Bourgmont (Boismont, Bourgement, Bourmont, Bournion), founds Fort Orleans, V, 56, XV, 133; among Padouca Indians, XIV, 233, XV, 130; Arkansas, XVI, 212; sketch, XV, 130.
- Vera Cruz (Mex.), commercial port, XVIII, 9, XIX, 177, XX, 224; diseases, XIX, 120; bombarded by French, 274; in "Pastry War," XX, 78; American consul in, XVIII, 315; travellers, 17, 24, 314, 317, 318, 320, 321, 347, XIX, 119, XXI, 24, 105.
- Verbasum*, in flower, XXIV, 153.
- Verbel, Peter, on "Tonquin," VI, 195.
- Verbenas, III, 29; numerous, XXII, 90; *aubletia*, III, 103, XIII, 78, 199; *bracteosa*, III, 67; *hastata*, 67, XIV, 75; *nodiflora*, XIII, 103; *stricta*, III, 67, XIII, 78; *urticifolia*, III, 67, XIV, 156.
- Verchères (Can.), Antoine Desjarlais in, VI, 367.
- Vercruysse, Father Aloysius, missionary, XXIX, 137, 142, 180.
- Verdigris Indians, village of, XIII, 247.
- Verdigrise, as pigment, XV, 117; article of trade, XIV, 310.
- Vérendrye. See La Vérendrye.
- Vergennes, Charles Gravier, Count, influence of, XII, 71.
- Verge, Henri de, count de La Rochejacquelein, with De Smet, XXVII, 193.
- Vermillion, prized by Indians, VI, 131, XXIII, 375; Indian body paint, II, 59, 85, V, 171, XIII, 250, 290, XIV, 196, 197, 236, XV, 21, 72, 84, 208, XX, 329, XXII, 221-223, 272, 307, 329, 360, XXIII, 15, 19, 24, 36, 99, 126, 140, 152, 158, 260, 262, 295, XXIV, 21, 32, 49, XXVII, 172, 200; how applied, XXIII, 99; article of trade, V, 87, 140, 164, XIV, 310, XV, 192, 217, 354, XVI, 207, XVII, 154, XVIII, 46, XX, 131, XXI, 32, 45; as present, I, 43, 166, XVI, 200, XX, 126, XXVIII, 316; prices, I, 142, XXIII, 99.
- Vermillion Indians, habitat, VIII, 206.
- Vermin, I, 189, IV, 223; numerous, XII, 233; on "Swiftsure," XI, 62; noted, 89. See also Indians: Food.
- Vermont, topography and drainage, VIII, 110, XVII, 248; pines, XIV, 56; climate, 70; geology, 55, XVII, 247, 248, 250; compared with Yazoo valley, III, 168; log huts, VIII, 125; towns, IV, 48, VIII, 116; hospitality, 110, 131; emigration, 131, IX, 97, XIII, 53, XXVI, 84; admitted to statehood, X, 268; compensation act thought unconstitutional, IX, 214; military affairs, I, 191, VIII, 115, X, 356; travellers in, III, 167, 188, VIII, 110, 179, XIV, 41, XXVI, 203, XXVIII, 10, XXIX, 371, XXX, 142.
- Vernon County (Mo.), as a boundary, XIV, 161; Indians in, V, 191.
- Vernonias*, size, XIV, 156, XVII, 87; observed, XVI, 57.
- Verona (N. Y.), described by Maximilian, XXIV, 184; sketch, 184.
- Veronese, Paul, painting by, in St. Louis cathedral, XXVI, 168.
- Veronica deccabunga*, XV, 233; *officinalis*, XIV, 62; *oxalis*, III, 29; *peregrina*, XIV, 62; *virginica*, III, 77.
- Verplank, Joseph, with Long, XVII, 98; hunting, XVI, 66, 83, 88, 96.
- Verreydt, Father —, in Council Bluffs, XXVII, 153.

Verticillata, similarity to *asclepias*, XVI, 57.

Vespertilio, arguatus, XIV, 250, 251; *serotinus*, 251.

"Vesuvius," Mississippi River steamboat, XI, 198.

Vetches, roots of, V, 309; *astragalus carnosus*, XV, 200.

Vevay (Ind.), Swiss settlement, V, 316, VIII, 284, XIII, 63; location, IX, 158; county seat, XIX, 68; XXIV, 142; population (1814), XIX, 42; described, X, 42, 240, XIX, 42; sketch, VIII, 284, X, 239.

Vexillaria virginica, described, XVI, 185.

Viburnum. See Arrow-wood.

Vicias, observed by James, XV, 200; *cracca*, XIV, 62; *stipulacea*, V, 319.

Vickers, Thomas, mason, IV, 26.

Vicksburg (Miss.), formerly Walnut Hills, IV, 304-306, 351; supplants Warrenton, XIII, 298; Tower Rock, XXII, 209; American troops in, IV, 328, 355; in War of Secession, 311; Flag in, XXVI, 10; Nuttall, XIII, 298.

Victor, Flathead convert, XXVII, 355, 356, XXIX, 330, 357, 414, 416.

Victor, Gen. —, possesses Louisiana, XXI, 22.

Victor, F. F., *Flotsom and Jetsam of the Pacific*, XXI, 306; *Hall J. Kelley*, 24; *River of the West*, XXVIII, 290, XXX, 179; *California Missions*, XVIII, 273.

Victoria (B. C.), founded, XXIX, 77; fort, 58; Indians, 149; Demers, XXVII, 369; Douglas, XXVIII, 380; Tolmie, XXI, 342, XXIX, 96.

Victoria (Tex.), attacked by Comanche, XX, 349.

Vide Poche (Mo.). See Carondelet.

Vieillot, Louis Jean Pierre, naturalist, XVI, 28, 29, 54, 55, XXII, 164.

Vienna (Ill.), origin of name, X, 330; settlement, IV, 127; Maximilian in, XXII, 150; thermometrical observations, III, 379.

Vigne des batures (vitis riparia), observed by Nuttall, XIII, 138.

Vigo, Col. Francis, in Louisiana, III, 31; relations with United States, XXIV, 138, 139.

Village Prairie (Ill.), described by Woods, X, 271.

"Ville Aussipot," Walbrock's home, IV, 300, 305.

Ville de Grand Barbe, Quapaw village, XIII, 130.

Villegra, —, poem, XIX, 259.

"Ville Gravier," in New Orleans, XIX, 123.

Villemont, Don Carlos de, commands Arkansas Post, XIII, 107.

Villiers, Neyon de, in Fort Chartres, I, 138.

Vinal, Henry, mate, XVIII, 308.

Vincennes, Sieur de. See Bissot and Margane.

Vincennes (Ind.), as a boundary, XIX, 66; origin of name, X, 330; location, 104, 266, 270, XIX, 59, 67, 69, XXIV, 136, XXVI, 120; distance from Washington (Pa.), XII, 275; settlement, V, 258, 259, IX, 71; French found, X, 267; capital, VIII, 284, IX, 280; roads, IV, 262, 264, 266, 267, X, 62, 325, 327, XI, 287, XII, 241, XIX, 61, 69, XXVI, 247, 361; St. Louis mail route, X, 326; Indians in, I, 142, III, 68; Clark's expedition, I, 56, II, 55, XVIII, 30, XXIV, 136, 138, XXVII, 90; emigrants from, XIII, 307, XXVII, 119; negroes in, IX, 303; taverns, XXIV, 138; farming, XI,

VINCENNES (continued)—

281; cotton culture, XXII, 183; market, X, 294; epidemic, IX, 287; university in, XXII, 180; Birkbeck, XI, 272; Croghan, I, 141; Evans, XI, 220; Faux, 13, 198, 206-213; Hagan, X, 255; Hamilton, I, 146; Harrison, IV, 262, XXII, 178; Johnston, XI, 294; Maximilian, XXIV, 133, 139; Menard, XXVI, 165; A. Michaux, III, 66, 68; Parke, IX, 278; Welby, XI, 16, XII, 234, 235, 241, 269, 270; Vanderburgh, XI, 209; Vigo, III, 31, XXIV, 138; Volney, 135; population (1821), XIX, 71; described, XI, 206-209, XII, 236-240, XIX, 70, 71, XXIV, 137; sketched by Bodmer, 139; early history, XIX, 71, XXIV, 136, 137; sketch, I, 141.

Vinegar, uses, V, 299, XII, 158, XXX, 260.

Viner, —, missionary, XIII, 279.

Vineyards (grapevines), localities, I, 128, III, 206, 207, 218, 219, 261, IV, 180, 189, 257, V, 100, 126, 184, X, 57, 99, 144, 185, 306, 307, 313, 316, XI, 78, 250, 251, XII, 204, 265, XIII, 63, 148, XVII, 144, XVIII, 85, 156, 226, 227, 347, 349, 359, 360, XIX, 42, 133, 139, XX, 203, XXII, 141, XXIV, 155, XXIX, 66; soil adapted to, XVII, 29; laid out, X, 316; cultivated, III, 206-208, 218, V, 315, 316, IX, 157, X, 42, 240, 241, 313, 354, XI, 229, 250, 251, XII, 214, 265, XIII, 64, 113, 301, 314, XVIII, 223, 336, 347, 349, 359, 360, XIX, 42, 70, 296, XX, 55, XXII, 141, XXIV, 155, XXIX, 66; diseases of, XIII, 302; size of fruit, III, 359; quality, XVI, 44, 133, 134, XX, 156; scarce, XXII, 183; abundant, V, 284, X, 224, XVI, 100, 123, 133, 135, 146, 151, 189, XVII, 144, XVIII, 88, 375, XIX, 233, XX, 155, 255, 258, XXVII, 39, 69, XXVIII, 155; luxuriant, IX, 285, 286; society for establishing, III, 207; varieties of grapes, X, 42; Alexander, XXII, 78; Burgundy, III, 208; fall (*vitis labrusca*), IX, 121; June, XIII, 137; Madeira, III, 208; muscatine, XVII, 62; summer (*aestivalis*), III, 218, V, 256; winter (*serotina* or *vulpinum*), 256, IX, 121; wild, IV, 103, VIII, 268, XII, 254, XXIV, 136, XXVII, 24, 25, 76, 93; as food, XV, 43, XVI, 103, 265; bears eat, 146, XX, 275; article of trade, 203; prices, XIX, 136; dried, X, 307, XVIII, 350; juice, as a beverage, XXVII, 43. See also Wines.

Vinton County (Ohio), drainage, XXII, 153.

Violets (*viola*), habitat, III, 100; observed, X, 302, XIII, 179, XXII, 82, XXVI, 286; *bicolor*, XIII, 105; *hastata*, III, 100; *lutea*, 101; *palmata*, XV, 200; *pubescens*, XIV, 62; dog-tooth (*erythronium*), XX, 258.

Violins. See Fiddles.

Vion, Capt. —, with Pattie, XVIII, 320.

Vipers. See Snakes.

Virgin's bower, location, XV, 281.

VIRGINIA: IV, 126, 131, 135; location, II, 46; size, XII, 106; graywacke in, XVII, 250; geographical nomenclature, XXII, 103; topography, X, 204; mountains, III, 286, 287, IV, 37, 91, XIII, 38, 148, XVII, 248, 250, 252; drainage, I, 135, 136, IV, 122, V, 237, 274, VIII, 292, XIV, 54; valleys, XI, 165, XII, 21; coal, III, 171, IV, 140; iron, XVII, 234; Salt Springs, XIV, 58; canebrakes, III, 95; climate, VIII, 266, 267; scenery, XII, 102; boundary, III, 33, 51, 170, 255, 271, 272, IV, 102, 169, 237, 332, VIII, 258, 275, IX, 112, 145, X, 229, XXII, 146; bison, XV, 245; Indians, I, 12, 18, 20, 27, 40, 56, 71, 72, 74, 86, 91, 94-96, 127, XI, 174, XIII, 305, XIX, 86; pioneers, I, 91, II, 73, III, 224, XX, 105 (see also Frontiersmen); lands, III, 66, 228, 347, 348, IV, 12, 160, 184, 237, 259, 280, IX, 119, 184, XII, 131, XIX, 79 (see also Lands); roads, III, 48, 50, 170, 225, 226, IV, 112, 114, XIX, 37 (see also Roads); tavern, IV, 104 (see also Taverns); agriculture, soils, and crops, I, 41, III, 243, 245, 288, IV, 50, V, 296, IX, 184, X, 202, XI, 113, 120, 126, 140-142, XII, 22, 117, 287 (see also Agriculture, Soils, and the several crops); importation of women, IX, 252; Dunkards, I, 61; Germans, III, 49; slavery, IX, 144, XII, 197, 306, 311, XIX, 31, 32, 112;

VIRGINIA (continued)—

character of population, II, 73, IV, 12, 200, XI, 154, 156, 259, XII, 188, 198, 205, XXI, 35; crime, IV, 109, XI, 135; lawyers, III, 44, IX, 49; teachers, III, 313; blacksmithing, XII, 320, XXVI, 216 (see also Trades); emigration, III, 162, 189, 215, 243, 247, 282, IV, 141, V, 296, VIII, 277, IX, 117, 306, X, 266, 310, XI, 157, XIV, 128, 134, 150, XV, 175, XVIII, 11, XIX, 80, 95, XXVI, 48, 208, 216, 238, 357, XXVII, 100 (see also Emigration); commerce, VIII, 269, XIII, 38, 44, 51, XXI, 32; currency, III, 204, X, 188; military operations, I, 20, 58, 95, 96, 131, 251, II, 55, III, 34, 35, 186, IV, 46, 78, 116, V, 279, VIII, 279, IX, 119, X, 356, XIV, 63, XXVII, 105 (see also Militia, and Troops); political, IV, 71, 192, IX, 256, XI, 199, XII, 311 (see also Politics); governors, III, 48, IV, 143, V, 279, XIX, 161 (see also the several governors); Virginians with Long, XIV, 41.

Individuals: Allen, IV, 146; Allison, XII, 56; Ashley, XXII, 250; Barbee, III, 38; Barbour, XII, 39; Bird, IV, 279; Bridger, XXVII, 299; Brown, III, 205, 206; Burr, IV, 127; Campbell, XXVI, 358; Caplinger, XXX, 148; Chichester, XI, 177; Christian, III, 48; G. R. Clark, 211, XXVI, 48, XXVII, 61; William Clark, V, 254, XIII, 134; Clendennin, IV, 141; Coles, X, 15; Colter, V, 44, Connel, IV, 109; Cooke, XIX, 187; Cooper, VI, 48; Custis, XII, 59; Daviess, VIII, 287; Day, V, 181; Devin, XI, 283; Doddridge, IV, 107, 110; Ellis, XIX, 274; General Evans, XI, 220; Estwick Evans, VIII, 262; Fairfax, XI, 130; Faux, 145, 156; Flower, X, 49, XI, 259; Ford, XXX, 174; Fristoe, IV, 172; Gallaher, XXVI, 10; Garrard, IV, 176; Gist, I, 91; Green, IV, 325; Greenhow, XXVIII, 29; Greenup, IV, 194, X, 229; Henry, III, 33; Hite, 49; Holmes, VI, 393; Hulme, X, 81; Innes, I, 98; Johnston, XI, 294; Kennedy, XIV, 131; Kenton, XXVI, 215; Lacock, IV, 99; Lee, III, 36; — Lewis, XI, 203; Reuben Lewis, V, 153; Logan, III, 40; McDonald brothers, X, 62; McLeod, XX, 205; Bishop Madison, III, 87; George Madison, 87; Maisonville, I, 146; Massie, IV, 160; Matheny, XXX, 174; May, III, 198; Morgan, XIV, 178; A. Michaux, III, 16; Mitchell, XXII, 314; Musgrave, IV, 233; Nicholas, III, 44; Orr, 36; Overton, 98; Pemberton, I, 290; Pilcher, XIV, 269; Poage, X, 233; Poindexter, IV, 325; Robertson, III, 62; Rogers, IV, 214; Russell, 181; Savary, III, 198; Sharp, 63; Daniel Smith, 256; Thomas A. Smith, XIV, 151; William Smith, VI, 287; Stephens, III, 49; James Taylor, X, 237; Richard Taylor, XII, 222; Tipton, III, 57; Todd, 69; Waldo, XIX, 164; Walker, XXX, 190; Washington, VIII, 247; Welby, XII, 331; West, IV, 316; White, 104; Whitley, XXVI, 215; Willis, IV, 220; Woods, X, 200. See also the several individuals.

Viscum parasite, III, 83.

Visenlair, an Indian, I, 314, 315.

Vitis, abundant, XXIV, 22; *hederac*, 109, 121; *palmata* or *riparia*, III, 74; *rubra* or *monosperma*, 74, 75; *vulpina*, 29.

Vitriol, manufacture of, X, 81; blue, on Cove Creek, XVII, 56, 57; as a remedy, XII, 273.

Vixen, Mrs. —, tavern-keeper, VIII, 183.

Vizcaino, Sebastiano, exploration on Northwest Coast, XVIII, 277, 281, 283, XXVIII, 31, 32.

Vizcarra, Col. —, with American traders, XIX, 186; battle with Grosventres, 231; salutes Gregg, 250.

Volcanoes, in Lake Ontario, XXIV, 174; near Mexico City, XVIII, 313.

Voleur (thief), Omaha Indian, XV, 141.

Volney, Count Constantine François Chassebœuf de, French traveller, IX, 237, 287, XII, 113, XXIV, 166; describes Niagara Falls, 166; estimates velocity of Ohio River, IX, 237; on climate of United States, XXIII, 238; in Arkansas, IV, 292; on Silver Creek Hills, IX, 283; describes Indians, XV, 70, XXIII, 252; deceived by Michichinakua, XXII, 220; *View of the United States*, IV, 138, IX, 237, XIV, 75, 76, XXIII, 237, 258, 284, XXIV, 135, 174, 175.

“Volunteer,” American brig, XVIII, 307.

- Volz, —, in Pittsburg, XXII, 139.
- Von Mertels, —, in Missouri, XXIV, 124.
- Voorhees, Abraham, town named for, IX, 299.
- Vorheestown (Ohio), renamed Reading, IX, 299.
- Voorhis, Eleanor Glasgow, cited, XI, 263.
- Voyageurs, character, XXII, 237; language, 241; dress, 250; customs, XIII, 221; employees, XXII, 16, 250; in Illinois, XXVI, 133, XXVII, 118.
- Vultures (*vultura*), habitat, XXIV, 86, XXIX, 51; numerous, VII, 50, XVI, 128, XXIX, 207; depredations of, XV, 83, XXIII, 47, XXIX, 285; in Indian folk lore, XXVI, 77; Indian children named for, VII, 305; *atrata*, XVI, 159, 172; *aura*, 159; black, 159. See also Turkey-buzzards.
- WABASH COUNTY (Ill.), Rochester in, XI, 280.
- Wabasha (Wabishaw, Red Leaf), Sioux chief, II, 186, XXIV, 316; sketch, II, 188-190.
- Wabassimong, Chippewa village, site, XXIX, 240.
- Wabaunsee County (Kans.), creeks in, XIV, 184, XXX, 37.
- Wabokieshiek. See Winnebago Prophet.
- Wabosso, in Indian legend, XXIX, 376.
- Wacalamus Indians, on Columbia River, VII, 102.
- Waco Indians, stock, XX, 297; population, 342; described, 341.
- Wacomeapp Indians, habitat, VII, 230; Astorians among, 231.
- Wacora, Omaha Indian, XV, 96.
- Wad-doké-tah-tah Indians. See Oto.
- Wadena County (Minn.), river in, XXVIII, 152.
- Wadsworth, —, visits "Tonquin," VI, 216.
- Wagely, —, in North Carolina, III, 56.
- Wager, D. E., *Oneida County*, XXIV, 186.
- Wages. See Economic Conditions.
- Wagner, Henry, in North Carolina, III, 100.
- Waggoner, —, farmer, IV, 140.
- Waggoner, Judge —, character of, XI, 294, 298.
- Wagstaff, —, English soldier, IV, 54, 59; farmer, 54.
- Wahachera. See Big Knife.
- Wahch-pe-kutch Indians, villages, XXII, 306.
- Wahconda (master of life), Indian deity, XIV, 282, XV, 180; favors medicine men, 52; sacrifices to, XIV, 293, 296.
- Wah-coo-ta (bowman), Sioux chief, XXIV, 316.
- Wahhowpum Indians, meet Lewis and Clark, XXI, 302.
- Wahkiacum (Wakiacum) Indians, habitat, VII, 102, 103; Franchère among, VI, 243; sketch, 243.
- Wahktageli, Dakota Indian, portrait, XXIV, 94, XXV, 41. See also Big Soldier.
- Wah-Menitu (water spirit), Teton Indian, XXII, 329; visits Maximilian, XXIV, 90.
- Wahpekute Indians, band of Sioux, XXII, 279; habitat, 278.

- Wahpeton Indians, branch of Sioux, XXII, 305; reservation, 342.
- Wahsashe Indians. See Osage.
- Wahtohtana (Wahtoktata) Indians. See Oto.
- Wahu (Hawaii), American consul in, XVIII, 259.
- Waiilatpu Indians, Cayuse tribe, VII, 137.
- Waiilatpu (Wash.), mission station, XXVIII, 323; described, 334, 337-340; Whitman at, XXI, 352, 353, XXVII, 389; supply station, XXVIII, 336, XXX, 298; Farnham at, XXVIII, 12; Gray, XXI, 353.
- Wainwright, —, in Pennsylvania, IV, 248.
- Wait, Aaron E., editor, XXX, 160.
- Waithman, Robert, attacked by Cobbett, X, 167.
- Wajaje Indians, Ponca band, XV, 118.
- Wajingataje (those who do not touch any kind of bird, excepting the war-eagle) Indians, Omaha band, XV, 117.
- Wakassasse (Wakusasse), Fox chief, portrait of, XXII, 222, XXV, 36.
- Wakeda. See Shooter.
- Wakefield, Charles, founds settlement, XXVI, 354.
- Wakefield, R. L., abandons Wyeth, XXI, 72; with Sublette, 78.
- Wakefield's Settlement (Ill.), founded, XXVI, 354.
- Wakiacum Indians. See Wahkiacum.
- Walbrock, —, in Arkansas, IV, 300.
- Walcott & Company, cotton millers, XXIV, 185.
- Walcott family, cotton millers, XXIV, 185.
- Waldo, Dr. David, aids Gregg, XIX, 164.
- "Walk-in-the-Water," American steamboat, sketch, IX, 314.
- Walkarusha, on Oregon trail, XXX, 277.
- Walker, —, befriends Cobbett, X, 20.
- Walker, —, *Political Events*, IX, 202.
- Walker, Courtney M., missionary to Oregon, XXI, 138, 279; commands Warrior's Point, 318; Fort William, 319, 338; Fort Hall, XXVIII, 302; employs Indian girl, XXI, 340; letters, 323, 339, 340; sketch, XXVIII, 302.
- Walker, Rev. Elkanah, missionary, XXVII, 367, 368, XXVIII, 342, XXX, 240.
- Walker, Joel P., trapper and trader, XXX, 190.
- Walker, Joseph R., expedition to California, XXVIII, 113, XXX, 40, 70, 91; brother, 190.
- Walker, Mary Richardson, missionary to Oregon, XXVII, 367.
- Walker, Dr. Thomas, explores Cumberland Gap, III, 45.
- Walker's Prairie (Oregon), mission on, XXVII, 367.
- Walking Bear, Pend d'Oreille chief, baptized, XXVII, 144; entertains De Smet, 166. See also Machy-keuetsa.
- Wallace, Mrs. —, in Natchez, IV, 348.
- Wallace, Judge George, in Pennsylvania, IV, 243.

Wallace, Joseph, *Illinois and Louisiana*, I, 309.

Wallace, Gen. Lew, governor of New Mexico, XIX, 284.

Wallace, William, on "Tonquin," VI, 194; in Astoria, 283, 336; on Willamette River, 279, 281; expedition to interior, 294; accident, 362; lost, 365; at Moose Lake, 368.

Wallamet Milling Company, in Oregon City, XXX, 159.

Wallawalla Indians, stock, VI, 340; habitat, XXVIII, 341, XXX, 114; population, VII, 137, XXVII, 166; characteristics, VI, 344, VII, 141, 142, 269, XXX, 234; described by Palmer, 116, 229-231; by Townsend, XXI, 281; language, VII, 138, XXVIII, 343; village, 360; wigwams, 349, 355; fishing, VII, 142, 143, XXVIII, 355; own horses, XXI, 348, XXVIII, 352; weapons, VII, 138; customs, flatten head, XXVIII, 356; diseases, XXI, 284; burial places, VII, 143; act as guide, XXVIII, 12, 309, 353; as traders, XXI, 283; relations with Cayuse, XXVIII, 340, 341, XXX, 114, 115; with traders, VII, 137, 143, XXI, 354, XXVIII, 348; with Palmer, XXX, 15; presents to, VI, 344; treaty with, XXX, 16; missions among, XXVII, 377, 381, XXVIII, 351.

Walla Walla (diocese), bishop of, XXIX, 142.

Walla Walla (Wash.). See Forts: Walla Walla.

Walla Walla County (Wash.), boundary, XXIX, 288.

Waller, A. F., Methodist missionary, VI, 401, XXVII, 389, 390.

Waller, Capt. John, tavern-keeper, IV, 176-178.

Walling & Gray, *Atlas of Pennsylvania*, XXII, 112.

Wallula (Wash.), site, XXI, 278.

Walnut Hills (Miss.). See Vicksburg.

Walnuts (*juglans*), pecans mistaken for, XIII, 328; habitat, IV, 74, 186, 351, VI, 52, 53, VIII, 181, X, 306, XIV, 85, 161, XX, 218, 254; abundant, XVI, 240, XVII, 62, XXX, 44; article of trade, X, 193; bows made of, XXI, 76; fences, III, 134; as food, XIII, 330; fodder, V, 257; observed, IX, 75, XII, 192, XIII, 90, XVI, 229, 242, 252, XIX, 196, XXII, 48, 51, 58, 60, 61, 73, 79, 87, 90, 110, 129, 133, 135, 148, 159, 166, XXIV, 150, 158, 178, XXVI, 65; varieties, XXII, 66, 69; black (*nigra*) — IV, 186, IX, 255, 256, XIV, 136, XXII, 129, 166; habitat, VIII, 221, X, 306, XVI, 168, XVII, 115, 118, 123, 143, XIX, 61, 77; abundant, X, 337, XXVII, 69; size, XIV, 136; value, XVII, 116; durability, VIII, 268; used for furniture, III, 343, V, 279; observed, 254, IX, 121, X, 227, XIII, 103, XVI, 135, 151, XVIII, 118, XX, 115, XXVIII, 63, XXX, 36; white (*oblonga*), III, 229, XVII, 123, 143; as a dye, XXII, 285; described, X, 308. See also Timber.

Walsh, Prof. —, aids Long, XIV, 36.

Walsh, Rev. Robert, missionary to Hawaii, XXVII, 391.

Walter, —, on Green River, III, 88, 92.

Walton, Abraham, purchases land, XXIV, 180.

Walworth, Dr. —, physician, XXVIII, 91, 94.

Walworth & Alvarez, Santa Fé traders, XXVIII, 80.

Walworth County (S. Dak.), creek in, XXII, 334.

Wampanoag Indians, Moravian missions among, I, 177.

Wanborough (Ill.), location, X, 334; climate, 355; Indians in, 342; founded, IX, 71, X, 47, 271; first settlers, 196, 265; population, 271, XII, 256; described, X, 271, XI, 261; country near, X, 262, 325; preferred to Albion, 349; mills in, 354; water-supply, 139, 271, 273; lots in, 272; store, XI, 304; religious sects, X, 131, 318; amusements, 264, 346, 347; character of people, XI, 261,

WANBOROUGH (continued)—

276; progress of, X, 149, 242; bee-hunter in, 350; Emerson, 324; Faux, XI, 261; Hanks, 265; Woods, X, 267, 317, 340.

Wanduny, a Wyandot, I, 37.

Wangewaha. See Grand Batture.

Wanochate, Omaha heaven, XV, 67.

Waobecomica, Missassaga chief, I, 155, 157.

Wapataw (prince), Fox chief, XXIV, 316.

Wapekone (pumpkin), in Indian legend, XXIX, 375.

Wapinger Indians, Ohio tribe, II, 43.

Wapiti, American elk, XXII, 167. See also Elk.

Wappato (*sagittaria latifolia*), as food, VI, 278, VII, 109, XXI, 363, XXIX, 196; abundant, 13; method of preparing, VI, 278.

Wappato Indians, tribe of, VII, 118.

Warblers (*sylvania*), numerous, XXI, 319; black poll (*striata*), XV, 320, 326; blue-winged yellow (*solitaria*), 320; blue yellow-backed (*ludoviciana*), 323; Cœrulean (*cœrulea*), 320, 326; pine (*pinus*), XVI, 253; Nashville, XIV, 253.

Ward, —, aids Farnham, XXVIII, 239, 240.

Ward, Capt. —, meets De Smet, XXIX, 262.

Ward, Nancy, sketch, XIII, 183.

Ward, Thomas, Indian trader, I, 62.

Warden, David Baillie, examines Indian mounds, XXII, 149, 150, XXIV, 128; comments on Black-feet, XXIII, 96; observes tortoises, XXII, 242; quoted, XXIII, 183, 192, 199, 254; *American Antiquities*, XXII, 149, 221, XXIV, 301; *Antiquités Mexicaines*, XXII, 172, 174; *Historical Account of the United States*, 375.

Wardour, Jeremiah, in Philadelphia, XI, 107, 113, 189; report on Birkbeck settlement, 110; views on emigration, 109, 162.

Wardour & Wilson, emigrant agents, XI, 162.

Ware, —, in Mississippi, XIII, 303, 304.

Ware, J. R., in Baltimore, XX, 205.

Warehouses. See Manufactures, and Merchants.

Warf, —, on Park's Bottom, XIII, 56.

Warfield, Col. —, highway robber, XX, 228, 229, 235.

Warm Springs (Mont.), described, XXVII, 254.

Warre, Capt. Henry J., in Oregon, XXIX, 193, 194; *Sketches in North America and the Oregon Territory*, 194.

Warren, Lieut. J. K., prepares map, XXX, 46.

Warren, William W., *Ojibway*, II, 113, XXIII, 190.

Warren (N. Y.), Evans in, VIII, 122.

Warren (Ohio), road to, IV, 103; described, III, IX, 104.

Warren County (Ill.), in bounty tract, XXVI, 128.

Warren County (Miss.), boundary, XIII, 299; seat, 298.

Warren County (N. J.), boundary, XXII, 92.

Warren County (Ohio), road, IX, 301; seat, 300; population, IV, 111; Flint in, IX, 298, 299.

Warren County (Pa.), III, 340; Cornplanter in, IV, 89.

Warrenton (Miss.), described, XIII, 298, 299.

Warrenton (Oregon), Smith in, XXI, 73.

Warrick, John C., in Owensville (Ind.), XXIV, 135.

"Warrior," Indians on, XXII, 228; in St. Louis, 231.

Warrior-who-walks-barefooted, Blackfoot chief, XXVII, 166.

Wars: Quaker attitude toward, XIV, 40, XIX, 12, 29, 38; demoralizing, VIII, 210-212.

Early American: King Philip's (1674-76), VIII, 104. King William's (1689-97), VIII, 89, XXIV, 187, 188. Queen Anne's (1702-13), massacre in, XXVII, 66-68. King George's (1744-48), I, 18, 42, 43, 191; Chickasaw in, IV, 298; exchange of prisoners, I, 26. French and Indian (1754-63), I, 100, 207, XXI, 58; causes, I, 19, 20, 222, 224, 265, IV, 44; anticipated, I, 54, 55; theatre of, II, 202, 207; Washington's embassy (1753), I, 74, VIII, 247; at Fort Necessity (1754), I, 27, 74, 82, 91, 96, X, 213; with Braddock, III, 328, IV, 243; Braddock's expedition (1755), I, 49, 82, 180, 238, 311, III, 338, 365, IV, 243, VIII, 173, XI, 166, XIX, 29; battle of Monongahela, I, 85, 286, III, 155, IV, 89; Armstrong's expedition (1756), I, 83, VIII, 246; Sandy Creek expedition (1756), III, 49; Forbes's expedition (1758), I, 13, 18, 50, 85, 180, 235, 240, 242, 282, III, 140, 148, 328, IV, 243; Grant's defeat (1758), III, 345, IV, 242, VIII, 254; capture of Louisburg (1758), I, 112, 296; Abercrombie's expedition (1758), 163, 189; Amherst's expedition (1759), 112, 163, 296; Rogers's expedition to Detroit (1760), 27, 100-125; to Mackinac (1760), 123; capture of Fort Bull (1756), XXIV, 184; Fort Oswego (1756), II, 48; William Henry (1757), IX, 328; German Flats (1757), XXIV, 187; Fort Frontenac (1758), II, 45; Fort Duquesne (1758), I, 281, III, 73, IV, 97; Niagara (1759), I, 54, II, 49, VIII, 182; Oswegatchie (1760), II, 47; Fort Schuyler built (1758), VIII, 42; Fort Stanwix (1758), XXIV, 184; fort at Kaskaskia, XXVII, 62; Delaware Indians in, I, 212, 214, 235, IV, 89; Illinois, XXVI, 123; Iroquois, II, 47; Cherokee, I, 238; Chippewa, XXVIII, 156; Shawnee, IV, 89; Norridgewock, XXVII, 66; individual participants, I, 18, 59, 88, 108, 153, 191, 192, II, 30, III, 49, 311, IV, 115, 155, 326, IX, 329, 330, X, 79, XXI, 39, XXVII, 78; result of war, 91; Indian removals after, II, 44. Pontiac's (1763-64), II, 15; capture of Mackinac, 82, 178; Fort Venango, I, 102; Miami, 123, 297; St. Joseph, 117; Ouïatanon, 118; Presqu' Isle, 101; siege of Detroit, 55, 56, 152; Ligonier, III, 148; Le Bœuf, I, 102; Bradstreet's expedition, 153, 302; Morris's embassy, 302-328; relief of Detroit, 101; Bouquet's expedition, 85, 282; relief of Fort Pitt, 282; defeat at Devil's Hole, XXIV, 174; Loftus's defeat, I, 305, IV, 328; forts garrisoned during, I, 186, 239-241, IX, 78; abandoned, III, 159; Paxton riots (1763), I, 290, IV, 43-46; Indian participants, XXII, 96, XXIII, 190, XXVIII, 156; whites, I, 27, 47, 154, III, 40; close of, I, 50, II, 49. Cherokee (1763), I, 101. Battle of Bloody Run (1765), XII, 192. Regulators' in North Carolina (1769), III, 59. Bulltown massacre (1772), I, 130. Lord Dunmore's (1774), massacres preceding, I, 127, IV, 117, XIII, 52; Fort Fincastle built, III, 33; Fort Gower, I, 131; Redstone garrisoned, III, 159; McDonald's expedition, IV, 118; battle of Point Pleasant, III, 49, IV, 142, 143, 220, V, 279, X, 226, XIV, 63, XV, 174; Dunmore's division, I, 131, IV, 143; at Pickaway Plains, 220, XXIV, 149; individual participants, I, 210, III, 40, 49, 62, 360, IV, 142, 143, XVIII, 30, XXVI, 215.

Revolution (1775-82): principles of, VI, 192, VIII, 109; theatre of, II, 202, 207; navy, VIII, 240, 241; fortifications, XXVI, 188; barracks, IV, 47; heroes' portraits, IX, 55, 58; bounty lands, VIII, 126, IX, 119, XIX, 79; sites, VI, 192, VIII, 115, XI, 77; Boston Tea-party (1773), IV, 220; Bunker Hill (1775), III, 20; Boston evacuated (1776), XI, 53; battles of Brooklyn and Staten Island (1776), I, 163; Brandywine (1777), IV, 29, 96; Bennington (1777), VIII, 116; Foreman's defeat (1777), IV, 117; sieges of Fort Henry (1777, 1781, 1782), III, 33; of Fort Schuyler (1777), II, 50, XXIV,

WARS: *Revolution* (continued)—

186; of Logan's fort, Kentucky (1777), XXVI, 215; battle of Monmouth (1778), IV, 54, VIII, 279; massacre of Cherry Valley (1778), 122; of Wyoming (1778), I, 187; of German Flats (1778), XXIV, 187; siege of Boonesborough (1778), IV, 174; Clark's Illinois campaign (1778), I, 302, II, 185, III, 31, 69, IV, 258, 259, 314, XXVII, 88; Brodhead's expedition (1779), III, 348; Sullivan's campaign (1779), IV, 96, VIII, 184, XIX, 150; Clark's Indian campaigns (1780, 1782), IV, 256, XXVI, 215; Canajoharie raided (1780, 1781), XXIV, 187; expedition to Prairie du Chien (1780), II, 12, 185-191; attack on St. Louis (1780), XXVI, 149, 152; battle of Camden (1780), XI, 76; Ramsour's Mills (1780), III, 55; King's Mountain (1780), I, 91, III, 55, 56, 63, IV, 181; Guilford Court House (1781), 181; Yorktown (1781), 29; Crawford's expedition (1782), VIII, 199; Hannastown (Pa.) destroyed (1782), III, 153; massacre of Gnadenhütten (1782), XXIV, 154; battle of Blue Licks (1782), IV, 175, 177, 197, XIII, 70; Kentucky during, III, 224, 225, IV, 258; Detroit, I, 55, 56; Bethlehem (Pa.), XXII, 77; Natchez, III, 254; Baton Rouge, IV, 340; Fort Pitt, 224, X, 218; Panmure, IV, 322, 326; Laurens, XXIV, 156; St. Josephs, I, 117; Gage, XXVII, 62; Massac, XXVI, 78; Jefferson built, IV, 280; garrisons, I, 102, 186, 188, III, 148, 159, IX, 78, XXIV, 188; French-Canadians in, XXVI, 133; Hessians in, XI, 107, XII, 70; Loyalists, II, 44, 126, VIII, 166, XIII, 169; surgeons, V, 66; prisoners, XI, 82; Indian tribesmen in, I, 128, 187-189, II, 14, 48, 53-56, 62-64, 185, 186, III, 43, 56, IV, 177, 256, 258, 280, VIII, 127, 180, 183, XIII, 362, XVII, 19, XVIII, 29, XIX, 149, XXII, 96, XXIV, 153, 163, 175, 176, 184, 186, XXVIII, 156; individual participants, I, 51, 55-57, 101-103, 112, 147, 210, 244, 290, II, 9, 53-58, 185-191, III, 31, 33, 38, 39, 44, 55, 56, 59, 61, 87, 93, 96, 135, 162, 178, 211, 254, 311, 348, 354, 360, IV, 78, 93, 117, 118, 125, 129, 160, 177, 194, 240, 244, 250, 253, 311, 314, 316, 323, 326, 362, VI, 185, 380, VIII, 116, 279, 352, IX, 27, 36, 51, 87, 102, 182, 294, X, 27, 66, 229, XI, 67, 78, 82, 83, 130, 136, 209, XII, 16, 19, 31, 49, 108, 222, XIII, 134, 309, XIV, 126, XVII, 68, XVIII, 29, XXI, 39, XXIV, 185, XXVI, 133, XXVII, 78; Conway cabal, IV, 245; money depreciation, IX, 134; French alliance, XII, 71; results, 147, 270.

Later Indian border wars (1783-95): in general, III, 274, VIII, 265, XIX, 81, 93, XX, 320; causes, III, 192, 193, 262, IV, 145, 146; skirmish in, 132. Clark's campaign (1786), IV, 256, XXVI, 215. Chickamauga expedition (1787), III, 61. Fight at Croxton's Run (1787), IV, 104. Harmar's campaign (1790), I, 327; St. Clair's (1791), 327, III, 178, 211, VIII, 173. Chickasaw expedition (1792), III, 85. Attack on Clarksville, Tenn. (1794), III, 184. Nickajack (1794), III, 62, XXVI, 216. Wayne's (1795), I, 151, IV, 78, 96, 181, V, 106, VIII, 207, 243, XXVI, 215, XXVIII, 138. Battle of Fallen Timbers (1795), I, 134, 151, III, 157, IV, 94, VIII, 78, 84, 120, 207. Detroit during, I, 56; Meadville, III, 340; Gallipolis, 183; Boonesborough, IV, 174; Fort Wayne, I, 123; Washington, VIII, 265; Finney, IV, 256; Blount, III, 258; Harmar, IV, 123; Miami, I, 151; individual participants, III, 61, 96, 360, 361, IV, 94, 117, 125, 133, 181, 277, XI, 184; land speculation during, IV, 124; effect on emigration, III, 71, XIX, 80. Whisky Insurrection (1794), III, 28, 144, 159, 363, 366, IV, 78, 243, 253, 359, VI, 9, VIII, 254. War with Tecumseh, battle of Tippecanoe (1811), VIII, 173, 200, 205, 285-287, IX, 120, 278, X, 268, XIII, 68, XIX, 66, XXI, 123, XXII, 160, XXIV, 138.

War of 1812-15: in general, I, 102, VI, 14, VII, 13, VIII, 12, 78, 158, XII, 92, XIX, 81; declared, V, 266, VII, 235, 236, 238, VIII, 10; fortifications, IV, 359, V, 60, VI, 193, VIII, 45, 207, XXVI, 188, 197; navy, VI, 197, VIII, 240, 241, IX, 315; rangers, XVIII, 42; militia laws, XII, 303; bounties, XXVI, 127; English vandalism, XII, 328; on Niagara frontier, VIII, 182, 217; Upper Lakes, II, 79; Middle West, V, 13, VI, 17, VIII, 9; in Missouri settlements, V, 48, VI, 48, XV, 171, 177, XVIII, 11, 31, XX, 95, XXIV, 139, 140; on Northwest Coast, VI, 402, VII, 162, XXIX, 56; news reaches, VI, 280, 298, VII, 216, 227, 235; Astoria during, VI, 188, XXVIII, 38, XXIX, 117; surrender of Detroit (1812), I, 56, VIII, 226; battle of Queenstown (1812), 159, 160, 181, XIX, 148; Maguaga (1812), VIII, 212, 213; Brownstown (1812), 212; Raisin River (Frenchtown, 1812), III, 61, 87, VIII, 83, 206, 210,

224; massacre of Fort Dearborn (1812), 233; attack on Peoria (1812), XXVI, 133; siege of Fort Stephenson (Sandusky, 1813), VIII, 78, 200; Fort Meigs (1813), I, 151, IV, 160, VIII, 204, 205; battle of Lake Erie (1813), I, 56, VIII, 240; of the Thames (1813), 181, 227, XXVI, 215; York (1813), XIX, 175; Newark (Can.) captured (1813), VIII, 166; Fort Niagara (1813), 166; Fort Malden burned (1813), 81; siege of Fort Howard (Cap-au-Gris, 1813), XVIII, 32, 33, XXVI, 129; battle of Chippewa (1814), VIII, 175, XXIV, 165; Lundy's Lane (Niagara Falls, 1814), VIII, 175, XIV, 283; of North Point (1814), XII, 290; Havre de Grace burned (1814), 291; Fort McHenry bombarded (1814), X, 189; Washington burned (1814), VIII, 171, XI, 131, 132, XII, 328; Fort Erie captured (1814), VIII, 44; Buffalo burned (1814), 182, XXIV, 161; Tonawanda (1814), 164; battle of Lyon's Creek (1814), IV, 277; expedition against Mackinac (1814), V, 36, VI, 394-396; Prairie du Chien (1814), IX, 188; battle of New Orleans (1815), IV, 368, VIII, 349, IX, 210, XIX, 121; Indians in, II, 186, 189, VI, 48, VIII, 204, 205, 212, 227, 233, XIV, 131, XV, 113, 114, 171, XVIII, 11, 32, 33, XXII, 242, XXIV, 97, XXVI, 280; Chickasaw, XIII, 363; Chippewa, XXVIII, 156; Creeks, 129; Delawares, XXII, 96; Natchez, XIII, 303; Osage, XVI, 274; Sauk and Foxes, XVIII, 31, XXI, 122, XXVIII, 141; Seminole, 130; Sioux, XXIV, 13; Teton, V, 104; Tuscarora, XXIV, 175; Black Hawk, XXI, 123; Grand Batture, XIV, 266; Red Jacket, XII, 49; Shawnee Prophet, V, 227; Tecumseh, VIII, 286; frontiersmen, 47; individual participants, III, 61, 62, 93, 211, IV, 96, 181, 215, 245, 277, 324, 325, V, 11, 60, 87, VI, 300, 346, 364, VIII, 11, 43, 45, 200, 217, 280, IX, 120, X, 26, 126, 237, XI, 47, 97, 112, 167, 220, XII, 23, XIII, 138, 291, 344, XIV, 39, 151, 172, 176, 178, 230, 269, XV, 165, 174, XVII, 12, 66, 67, XVIII, 42, 237, 313, XIX, 148, 175, 181, XX, 213, 280, XXI, 280, XXII, 44, 282, XXIII, 224, XXIV, 153, XXVI, 31, 57, 155, 310, XXX, 161, 162, 174, 190; devastations, VIII, 10, 82; effect on fur trade, V, 97, 137, VII, 186, XXII, 232; on emigration, VIII, 9, 57, X, 191, XI, 9, XIX, 81, XXIV, 159; on manufactures, IX, 58, XII, 118, 165, 281; on money market, IX, 130; experience gained, VIII, 174; ineffective, 225; influence on American life, IX, 12.

Later American: Florida (1818), VIII, 172, 354. Arikara campaign (1823), XIX, 185, 237, XXI, 192, XXII, 294, XXIII, 224, XXIX, 370, XXX, 173. Yellowstone expedition (1825), XXIII, 227. Black Hawk's (1832), causes, XVIII, 31, 33, XXII, 226; hostages, 217; Indians in, II, 186, XXI, 122, XXII, 230, 253, XXVIII, 141; participants, XIX, 187, XX, 107, XXII, 225, 228, 229, XXX, 173, 174; sites, XXVI, 126, 176, 282. Battle of Pierre's Hole (1832), XXI, 14, 58, 69-72, 78. Seminole (1835-42), IV, 100, VIII, 351-353, XIX, 185, XX, 267, 300, XXVI, 173, XXVIII, 129, XXX, 174, 190. Blackfoot massacre (1843-44), XXII, 339. Mexican (1846-48), presaged, XVIII, 19; opposed, XIX, 348; invasion of New Mexico (1846), 256, XX, 151; surrender of Santa Fé (1846), XVIII, 76; expedition to California (1846), XVII, 12, XIX, 187; battle of San Pedro (1846), XVIII, 277; missions during, 279; battle of Monterey (1846), 361, XIX, 185; Matamoras occupied (1846), XVIII, 363; Doniphan's expedition (1846), XX, 151; revolt in New Mexico (1847), XVIII, 73, XX, 151; battle of La Cañada (1847), XIX, 265; Mora burned (1847), 252; Scott's expedition (1847), 187; battle of Cerro Gordo (1847), 185; pueblo revolt (1848), XX, 63; Missouri volunteers, XXIII, 198; individual participants, VIII, 200, XX, 205, 267, XXII, 314, XXIV, 144, XXVIII, 71, XXX, 39. Oregon Indian (1847-58), XXIX, 191, XXX, 192; Whitman massacre (1847), VII, 137, XXI, 352, 355, XXVII, 367, XXVIII, 290, 338, XXIX, 142, 287, XXX, 15, 114; causes, 229; Indian participants, 15, 106, 111, 179. Cayuse (1848), XXI, 201, XXX, 111, 153, 159, 174, 179, 231. Rogue River (1850-54), XXI, 329, XXX, 173; campaign of 1853, 16; massacre (1854), XXVIII, 321. Yakima (1855-58), XXIX, 139, 288, XXX, 16, 173, 174, 229; Harney campaign (1856), XXI, 278, XXIX, 369, XXX, 179. Sioux Wars (1855-56), XXII, 315. Mormon campaign (1858), XXX, 74. War of Secession (1861-65), foreshadowed, XII, 311; sites, XIV, 43, XX, 100, XXII, 204; Forts Jackson and St. Philip bombarded (1862), XIX, 121; battle at Valverde (N. Mex., 1862), XX, 151; Vicksburg campaign (1863), IV, 311; Fort Arkansas captured (1863), 298; battle of Pilot Knob (1864), XXVI, 97; Fort Howard garrisoned, 138; prison, IX, 42; Indians in, V, 140, XX, 303, XXVIII, 124; individual participants,

Wars: *Later American* (continued) —

XIII, 138, XIX, 181, 187, XX, 136, 205, 267, XXIV, 144, XXIX, 72; copperheads during, IV, 154; results, VIII, 293, XXVI, 66. Sioux outbreak (1863), V, 104, XXII, 315; (1868), XXVII, 299. Modoc War (1873), XXX, 16, 173. Custer massacre (1876), V, 104, 140, XVIII, 141. Nez Percé (1877), XXIII, 83. Sioux (1890), V, 104.

Spanish-American: battle of Mavilla (1540), XXVII, 44. Mixton revolt (1540-42), XIX, 258. Pueblo revolt (1690, 1696), XVIII, 155, XIX, 263-268, 270, 271, 285, 302, XX, 43, 57, 59, 63, 64, 72, 155. Yaquis Indians (1740, 1825), XVIII, 149. Chickasaw, VIII, 304. Chilian revolution (1810-18), XIX, 348. Mexican independence (1810-21), XVIII, 152, 289, 345, 347, 353, 367. Solis revolt (1829), XVIII, 16, 18, 289-298. Texas revolt (1835), XIX, 271. Mexican revolt (1835-37), XIX, 272-277, XX, 169, 233. Pastry war (1838-39), XIX, 274, XX, 78. Texas-Santa Fé expedition (1841), XIX, 256, XX, 205, 230. French invasion (1866), XVIII, 363. See also Mexican War with United States.

Franco-American: Fox Indian (1712-43), I, 19, 139, XXVI, 138. Natchez-Chickasaw (1729-39), I, 19, 75, 327, IV, 292, 323, VIII, 312, XIII, 179, 300, 342-344, 348-352, 356, 361, 362, XXIV, 137; revolt of 1748, I, 122. See also English colonial wars.

Miscellaneous: French Revolution (1789-95) XXVI, 205, 206. Blackfeet attack Hudson's Bay post (1794), VI, 371, XXIII, 73. Battle of Nuuanu Valley, Hawaii (1795), VI, 216. Napoleonic (1802-15), VIII, 29. Off Madagascar (1804), VIII, 29. Attack on Captain Lewis (1806), VI, 371. Luddite riots, England (1811), X, 24. Battle on Red River, Manitoba (1816), VI, 381, XXI, 201. Papineau revolt, Canada (1837), XXIX, 142. Anti-abolition riot, Illinois (1837), XXVI, 119. Italian revolution (1848), XXII, 39. "Walkarusa," Kansas (1855), XXX, 37. Riel rebellion, Manitoba (1869-70), XXIX, 255.

Warsong, Chippewa chief, I, 303.

Warwick (N. Y.), Harris in, III, 370.

Wasabajingga. See Little Black Bear.

Wasabetaaje (those who do not touch bears) Indians, Omaha band, XV, 117.

Wasacaruja (he who eats raw), character, XV, 94, 95; in Engineer Cantonment, XIV, 281; eloquence,

XV, 105, 106; war exploits, 135.

Wasco County (Oregon), Mount Hood in, VI, 248.

Waseishta Indians, Omaha band, XV, 115, 116.

Washaocautaut, Indian chief, I, 220.

Washatung Indians, Omaha band, XV, 118.

Washburn, Cephas, establishes mission, XIII, 182.

Washburne, E. B., editor, X, 50.

Washingguhsahba (Waschinga-Saba, Washinga Sahba). See Blackbird.

Washington, Augustine, XI, 121.

Washington, Col. Charles, founds town, III, 50.

Washington, George, IX, 285, XI, 39; character, VIII, 247, XI, 108, XII, 123, 125, 126, 130; patriotism, IX, 214, XII, 305; surveyor, IV, 155; farmer, VIII, 134; in French and Indian War, I, 27, 49, 50, 54, 72-74, 82, 91, 95, 96, 102, 251, II, 55, 63, III, 321, 365, IV, 243, VIII, 247, 254, XIX, 29; land claim, IV, 116, 131, 132, 140; purchases Great Meadows, X, 213; in Revolution, III, 50, IV, 29, 118, 244, IX, 52, XII, 19, 70, 71, 108, 147, 328; president, IX, 207, X, 189; private secretary, III, 20; recognizes French Republic, 76; opposes Genet, 13; farewell to Congress, XI, 46;

- gifts to, XII, 125, 314; plans for canal to Western waters, III, 336, IX, 96; on Alleghanies, III, 328; Ohio River, I, 12, III, 176; in Pennsylvania, I, 22, IV, 332; Virginia, XI, 126; relations with Belli, IV, 163; Blount, III, 59; Brown, 39; Fairfax, XII, 131; Law, 112; O'Hara, IV, 78; Pinckney, XII, 31; Putnam, III, 311; Robertson, 62; St. Clair, 178; Volney, XII, 114; home of, IX, 306, XII, 116; frees negroes, IV, 198; biography, IX, 153; portraits, 161, XII, 102; tomb, 123, 124, 128, 129; other memorials, XI, 109, 205, XII, 129, 134; cities named for, XI, 186; popularity, 121, 194, XIX, 38, XXVII, 105; birthday celebrated, X, 97, XI, 15, XII, 316-318; writings cited, II, 55, IV, 116, IX, 52, XII, 126; relatives, XI, 105, 121, 130, XII, 59.
- Washington, Jane, marries Ancrum, XI, 105.
- Washington, John, sons, XI, 121.
- Washington, Martha, niece, XII, 59.
- Washington, Warner, Sr., son, XI, 121.
- Washington, Warner, Jr., father, XI, 121.
- Washington, William, father, XI, 121.
- Washington (state), mountains in, XXIX, 74; rivers, VI, 338, VII, 119, 125, 208, XXIX, 81; forest reserve, 271; boundary, VI, 256, 348, XXVII, 300; Indians, VI, 256, 340, XXI, 304, XXVII, 387; Fort Colville, XXI, 344; farming, XXIX, 96; industries, 81; exports, 51; harbors, VI, 256, VII, 112; State Historical Society, XXVIII, 33; Franchère in, VI, 15; Stevens, XXX, 16.
- Washington (Ark.), road, XIII, 218.
- WASHINGTON (D. C.): meridian, XVII, 182; surveyed, IV, 332, XII, 108; climate, 98, 99; roads, IX, 64, 65, XII, 284, XIII, 51, XXI, 39; distances from, XI, 142, 196; capitol, 112, XII, 92, 116, XX, 141; president's house, XII, 102, 329; in War of 1812-15, VIII, 171, XI, 132, XII, 108; sanitary conditions, 87; market, XI, 117, 148, 301, XII, 63; mechanics, X, 39; social conditions, XII, 122; religion, 76; county court, 61; passports granted in, XX, 63; Western correspondents, XXVI, 10; Columbian University, XII, 53; navy yard, XI, 119; Collection of Oregon plants, XXX, 288; English in, XII, 62; Indians visit, V, 127, IX, 248, XII, 48, 51, XIII, 138, 238, XV, 14, 145, 154, XVI, 274, 275, XVIII, 12, 43, XX, 126, 127, XXII, 218, XXIII, 13, 21, XXVII, 319; negroes in, IX, 37, XII, 156; *Gazette*, XI, 101, 112; *National Intelligencer*, VIII, 12, XI, 124, 158, XII, 64, 65, XIV, 106; painting of, XII, 91, 92. See also United States.
- Individuals in:* Barlow, XI, 136; Catlin, XXII, 32; Clark, IV, 362; Dickson, XXIV, 97; Elliott, XI, 112; Evans, VIII, 12; Faux, XI, 13, 112, 156, 163, 210, 304, XII, 22, 87, 134; Flagg, XXVI, 10; Greenhow, XXVIII, 30; Harney, XXI, 297; Hunter, IV, 193, 194; Jessaume, V, 156; Jones, XI, 121; Kane, X, 322; King, XII, 51; Lambdin, XXII, 139; Law, XII, 133; Long, IX, 164, XIV, 17, 248, 250; Lowndes, XI, 209; McDougall, XXX, 89; Dolly Madison, XI, 128; Monroe, VIII, 79; Nicollet, XXVII, 190; messengers from Oregon, XXVIII, 290; Paulding, XII, 65; Schenck, XX, 136; Sublette, XIX, 221; Sutter, XXX, 230; Thornton, XII, 122; Watterston, 23; Welby, 325, 327-331; Willis, IV, 220; White, XXIX, 20, XXX, 100.
- Washington (Ind.), XII, 11; renamed Franklin, XXII, 160; as a market, XII, 230; population, XI, 205; Faux in, 205; Maximilian, XXIV, 139; Welby, XI, 16, XII, 232.
- Washington (Ky.), III, 196, IV, 171, IX, 127, XIV, 64; county seat, IX, 128; thrives, III, 35; invalids in, IV, 175; population, III, 196; Allen, IV, 205; Cumming, 171, 172, 199; Faux, XI, 186; Flint, IX, 147; Johnston, XVIII, 25; Long, XIV, 64; A. Michaux, III, 37; F. A. Michaux, 195.
- Washington (Miss.), IV, 319; capital of Mississippi Territory, 319; Cumming in, 348; Percy, 328.
- Washington (Mo.), sketch, XXIV, 123.
- Washington (Ohio), Cumming in, IV, 231; Faux, XI, 173.

- Washington (Pa.), sketch, III, 347, X, 219, XI, 167; described, IV, 238, 239; roads, III, 349, IV, 234, 236, X, 77, 218, 219; distance from McConnellstown, XII, 21; thermometrical observations, III, 375, 380; emigrants, IV, 229; Cuming in, 238; Faux, XI, 166, XII, 19; Harris, III, 347, 371, 372; Hulme, X, 77; Maximilian, XXII, 145, 146; Reeves, IV, 213; Welby, XII, 201, 202, 275, 283; population, IV, 239.
- Washington County (Ark.), White River in, XVII, 26.
- Washington County (Ill.), prairie in, XXVI, 340; creek, 367.
- Washington County (Ind.), seat, XIX, 69.
- Washington County (Mo.), primitive rocks in, XVII, 243; Big River, 36; Henry, XV, 246.
- Washington County (Nebr.), boundary line, XIV, 221; village in, XXII, 275; Long, XIV, 221.
- Washington County (Ohio), settlement in, XXII, 149.
- Washington County (Oregon), drainage, XXIX, 16; agriculture, XXX, 168; church, XXVIII, 275.
- Washington County (Pa.), described, IV, 93; Buffalo Creek, 110; towns, III, 347, 363; early travellers in, IV, 43, 99, 109, 110, 117, 240, 359, XI, 288.
- Washington County (Va.), seat, III, 46; Meek in, XXVIII, 290.
- Washington District (Tenn.), III, 57.
- "Washington," American ship-of-war, sketch, IX, 45.
- "Washington," Mississippi steamboat, IX, 154, XIX, 126; described by Bullock, 128.
- "Washington," ocean vessel, XI, 33; constructed, XXVI, 57; commanded by Gray, XXVIII, 38.
- Washpetong Indians, habitat, XXVIII, 153.
- Waskéma, Chinook Indian, XXI, 340.
- "Wasp," sketch, VIII, 241.
- Wasps, numerous, IX, 301; eaten by bears, XIII, 210.
- Wassan-nie (medicine club), Iowa chief, XXIV, 316.
- Wasses (Ouassi) Indians, II, 134; with Long, 82; Nipigons, 135-137.
- Wassoba-Wakandaga (bear medicine, Waucarba, Wacandda). See Narrows: Wassoba-Wakandaga.
- Watapinat (eagle's nest), Fox chief, head-dress, XXII, 222; watchfulness, 227.
- Watauga (Tenn.), John Carter in, III, 98.
- Watchawaha. See Foe, John L.
- Watches, worn by English, XI, 293; stolen, VII, 153, XVIII, 312; tax on, IX, 231, XXII, 181; prices, XI, 64; patent lever, XVII, 98, 256; gold, IX, 231, XI, 195, XII, 70; silver, IX, 231; chains, tax on, XII, 297.
- Watchup, —, in Chillicothe, IV, 217.
- Watenan Indians. See Wea.
- Water, tests, V, 311, 312; scarce, IV, 356, IX, 243, 282, XIII, 252, 264, XIV, 229, XV, 192, 206, 310, XVI, 93, 94, XX, 117, 118, 157; abundant, 153; buckets, IX, 243; carts, XI, 228, 286, XXII, 46; casks, XIX, 219; carriers, XX, 165; kegs, 227; system of works, in Beaver (Pa.), IV, 98; Bedford (Pa.), III, 325; Oshkosh (Wis.), VIII, 232; Philadelphia, XXII, 65; St. Louis, XXVI, 114.
- Water-fowls (*fulica americana*), habitat, III, 76, IV, 353, VI, 369, VIII, 181, XIX, 130, 146; numerous, IX, 315, XIX, 133, XXI, 74, XXIII, 179, XXVII, 334, XXIX, 94, 206; scarce, XXII, 100.
- Water-lilies (*nymphaea*), observed by Maximilian, XXII, 100.
- Water-melons, abundant, XVIII, 308; article of trade, VI, 211; eaten, XIV, 191, XVI, 249; cultivated,

- XXVIII, 334; Indians cultivate, XIV, 197, 289, XVI, 240, XVII, 154, XVIII, 43; in Indian legend, XXIX, 375, 379.
- Water-pepper, observed by Woods, X, 304.
- Water-spouts, observed by Faux, XI, 64.
- "Water-witch," steamboat, XXII, 158; accident on, 159; funeral, 161.
- Waterford (Pa.), site, XXVII, 75; originally Fort le Bœuf, I, 102, III, 339, VIII, 244; road, IV, 125; Evans, VIII, 244; thermometrical observations, III, 378.
- Waterhouse, Dr. Benjamin, *Oregon*, XXI, 13.
- Waterloo (Ill.), described by Flag, XXVII, 104; sketch, 104, 105.
- Waterloo (N. Y.), Evans in, VIII, 126, 129.
- Waterloo (Ohio), Maximilian in, XXIV, 151.
- Waters, —, in Nashville, IV, 276.
- Watopachnato (les gens de l'âge) Indians, affinity, XXII, 388.
- Watson, —, in Philadelphia, XII, 69.
- Watson, —, on Suke's Run, IV, 251.
- Watson, James, in Lexington (Ky.), X, 67.
- Wattasoon Indians. See Ahnahaway.
- Watterson, Henry, editor, XXVI, 30.
- Watterston, George, librarian, XII, 23.
- Wattong, Indian name for pumpkins, XIV, 303.
- Watts, Beaufort T., secretary of state, XI, 66.
- Waubuschon, Osage chief, V, 62.
- Waumunde-tunkar (great calumet eagle), Sioux chief, XXIV, 316.
- Waverly (Ohio), formerly Uniontown, XII, 15.
- Wayne, Gen. Anthony, army officer, IV, 245, 324; fellow soldier of Harrison, VIII, 205; soldiers, VI, 71; erects Fort Adams, VIII, 207; Fort Defiance, I, 151, VIII, 207; Fort Greenville, 84, 225; Fort Massac, III, 73; Fort Wayne, VIII, 207; Indian campaigns, 120, 243, 265; Fallen Timbers, I, 151, VIII, 78; Fort Presqu' Isle, I, 101; Northwest Indian War, 134, IV, 94, 96, 115, V, 106, 254, XIII, 134; Revolution, XII, 67; portrait, as tavern sign, IX, 161.
- Wayne City (Mo.), rivalry with Independence, XXIV, 116.
- Wayne County (Ill.), seat, X, 329; elections in, 321-323.
- Wayne County (Ind.), described by Ogden, XIX, 68.
- Wayne County (Mo.), creek in, XVII, 38.
- Waynesburg (Pa.), described by Maximilian, XXII, 133.
- Ways, —, farmer, IV, 97.
- Wax-nuts, as tapers, VI, 222, 223.
- Wax-trees (*myrica cerifera*), habitat, XXII, 167, XXVIII, 325; observed by De Smet, XXVII, 257.
- Wazikute Indians, affinity, XXII, 370.
- Wea (Ouiatonon, Ouicatonan, Watanon, Watenan, Waugh-Waoughtanney, Wawaoughtane, Wawiatonon, Wawioughtane, Wiatanon) Indians, habitat, I, 117, 118, 144, 146, 168, VIII, 285, X, 268, XIII, 322, XIX, 66, 67, 71, XXVIII, 136; stock, XX, 297; relations with English, I, 53, 91, 154,

WEA INDIANS (continued)—

314; population, 168, XXVIII, 121; (1839), 121; (1844), XX, 317; sketch, VIII, 285, XXVIII, 135.

Weapons, carbines, III, 193, 263, IV, 54, V, 105, 132; cutlasses, VII, 257, VIII, 30, 31, XXVII, 200, XXIX, 60; daggers, XXIII, 75, 124, XXIX, 254; dirks, VIII, 103, IX, 138, XI, 96, 196, XII, 301; field-pieces, XIV, 43, XX, 89; grenades, VII, 241, 257, XIII, 360; for guns, see Guns; howitzers, V, 105, XIV, 239, 244, 265; for lances, see Lances; muskets, IV, 294, 368, VII, 63, VIII, 30, XI, 45, 48, 185, XIV, 43, 152, XV, 192, 221, XVIII, 51, 80, 139, 258, XIX, 347, XX, 105, 106, XXI, 33, 67, 76, 83, XXII, 316, 333, 335, 337, 344, 346, 359, 371, XXVII, 286, XXVIII, 57, 86, 87, XXIX, 60, 257; pistols, I, 24, IV, 195, V, 181, VI, 264, VII, 155, 210, 225, 240, VIII, 103, 199, IX, 147, 151, XI, 45, 71, 97, 298, XII, 273, 301, XV, 221, 351, XVI, 62, 76, 119, 124, XVII, 99, XVIII, 48, 127, 197, 270, 273, XIX, 201, 206, 215, 234, 343, XX, 105, 122, 139, 140, 168, 267, XXI, 33, XXIII, 72, 141, XXVIII, 86, 361, 362, XXIX, 297; rifles, IV, 46, 154, 201, VI, 61, VII, 187, 191, 197, 220, 225, VIII, 69, 103, 201, IX, 66, 298, X, 218, 265, XI, 100, 184, 212, 221, 299, XII, 182, 272, 273, XIV, 79, 271, XV, 192, XVIII, 11, 52, 205, 269, 270, 305, XIX, 201, 230, XX, 86, 105, 215, 234, XXI, 33, 128, 144, 150, XXII, 105, 333, 335, XXIII, 24, 96, XXIV, 100, 104, 120, 132, XXVI, 351, XXVII, 198, XXVIII, 62, 70, 86, 167, 184, 204, XXX, 100, 259; for spears, see Spears; swivels, V, 105, 160, 162, VI, 31, VII, 257, XX, 86, 104, 105, XXVI, 118, 149; swords, VI, 331, VII, 249, XI, 45, 48, 71, 74, XIV, 43, 261, XVIII, 148, 297, XIX, 343, XXII, 112, 293, XXVI, 310, XXIX, 230; targets, of bison hide, XIII, 325. See also Indians: Weapons.

"Weasel," Ross's dog, VII, 154-156, 158.

Weasels, habitat, XXIV, 44, XXIX, 214; Canadian (*mustela canadensis*), in Indian folk-lore, XXIII, 287, 288; number of skins sold annually, XXII, 380.

Weatherford, William, electioneering speech of, XXVI, 312, 313.

Weatherspoon, —, in Camden (S. C.), XI, 80.

Webb, —, farmer, XI, 145, 146.

Webber, Walter, Cherokee chief, XVII, 18; fur-trader, XIII, 181; settlement, 180, 183, 193, XVII, 18, 42.

Webbsport (Ohio), Maximilian in, XXIV, 153.

Webster, Daniel, in Harvard, III, 253; honors Franchère, VI, 15; speech, XI, 98.

Webster, Ephraim, founds Syracuse, XXIV, 180.

Wechquadnach, Moravian missionaries in, I, 177.

Wedderholz (Weatherholt), Capt. Nicholas, in Pittsburg, I, 288.

Weeds, habitat, XVII, 135; abundant, X, 271; height, 213, 355, XIV, 164; luxuriant, 75; variety, IX, 309; noted, X, 215, 303, 304. See also the several kinds.

Weeks, —, abandons Wyeth, XXI, 48.

Weeks, John, ship carpenter, on "Tonquin," VI, 195, 242.

Weeks, Stephen, armorer, on "Tonquin," VI, 195, 233, VII, 83, 169; causes explosion, 70; miraculous escape of, VI, 235, 236, VII, 83; story of long-boat, 83-85.

Weidner, Henry, in Pittsburg, IV, 179.

Weir, John Ferguson, artist, XXVI, 137.

Weir, Julian Alden, artist, XXVI, 137.

Weir, Robert Walter, artist, XXVI, 137.

- Weiseger, Daniel, tavern-keeper, IV, 191.
- Weiser, Conrad, frontiersman, I, 298; Indian interpreter, 92, 93, 97; Indian deputy, 11, 12, 17, 18, 63; relations with Croghan, 48; with Indians, 28-31, 35-43, 224; report to governor, 53; in Burnt Cabins, III, 321; Carlisle, I, 87; on Kittanning trail, 190; in Logstown, 28; on Old Glade road, 22; in Reading, 235, 236; Shamokin, 235; Womelsdorf, 21; grandson, III, 135; sketch, I, 17-20; *Journal*, 48, 63, 124, IV, 97, 99, 284, VIII, 199, 262, XI, 211, 247, XIII, 72, XVII, 19, XIX, 196, XXIV, 148.
- Weiss, Francis, founds town, XXII, 126.
- Weiss, Col. Jacob, founds town, XXII, 126; in Lehighon (Pa.), 124.
- Weissport (Pa.), founded, XXII, 126; Moravians in, I, 178; fort, 186; population, XXII, 126.
- Wekaponall, Post in, I, 189.
- Welby, Adlard, objects of journey, XII, 148, 149; on "Venus," 151-163, 182, 192; adventures, 178, 205, 206, 230-232, 235, 236, 241-246, 269, 274; dog, 173, 177; annoyances, 233; camp-fire, 187, 191; fishing, 331, 332; hunting, 296; sketching, 225; on "Factor," 339, 341; homeward route, 267, 270; distance travelled, 292; visits Birkbeck, 253; in New York, 163-170; Ohio, 205; sees aurora borealis, 271; observations on Middle West, 292-294; *English Settlements*, XIX, 77, XXIV, 141; *Visit to North America*, XI, 13, XII, 151-341; sketch, XI, 13-16.
- Welch, James, in Astoria (Oregon), XXX, 201.
- Welch, Dr. Presley, commands Oregon caravan, XXX, 42, 43, 45; sketch, 42.
- Weld, Isaac, traveller, caricatures Americans, V, 12; calumniates pioneer hospitality, 293; describes Niagara Falls, XXIV, 166; *Travels through North America*, 166; sketch, 166.
- Weld County (Colo.), creek in, XV, 260; landmark, XXVIII, 173.
- Wellemeghihink, Allegheny chief, I, 205.
- Wells, Capt. —, on Diamond Island, IV, 267; Mississippi River, 291, 303, 309, 310.
- Wells, Alexander, founds town, IV, 108.
- Wells, Bazaleel, banker, IV, 107; surveyor, 108.
- Wells, Charles, tavern-keeper, IV, 121, 122.
- Wells, John, farmer, IV, 118-120.
- Wells, R. W., communication to Long's expedition, XIV, 37; *Origin of Prairies*, XV, 167.
- Wells, oil, VIII, 57; sulphur, XXVI, 190, 191; water, IX, 300; digging of, 231, X, 273, 341, XXVI, 193, 210; owned by shepherds, XVIII, 359; pumps, IV, 148, X, 308; in Illinois, 271, 273; Lou-tre Prairie, XIV, 132; Mississippi, IV, 316; Missouri, XV, 173; Nashville, III, 250; Ohio, IV, 127, IX, 300; Pittsburg, III, 30; Virginia, 33; West Virginia, IV, 110.
- Wells County (N. Dak.), drainage, XXII, 282.
- Wellsburg (W. Va.), founded, IV, 108; travellers in, III, 33, IV, 110, IX, 103; sketch, I, 129, IX, 100.
- Welsh, with Richardson, XXI, 212; in St. Louis, III, 80; on Red River, XVI, 95; Sandwich Islands, VII, 60; on "Ruthy," XI, 34; "Tonquin," VII, 58.
- Wentworth, Benning, governor of New Hampshire, VIII, 116.
- Wentz, —, tavern-keeper, IV, 36, 37.
- Wentzville (Mo.), site of Fort Pond, XV, 171.
- Wenzel, —, merchant, XXII, 157, 158.
- Werner, Abraham Gottlob, geologist, IX, 282, XIV, 50, XVI, 77, XVII, 195, 200; classification, 246; describes hornstone, 44.

- Wernerian Society, in Great Britain, XIX, 14.
- Wescasset (Maine), Edmund Flagg in, XXVI, 9.
- West, —, expert horseman, XII, 221.
- West, Benjamin, painter, XVIII, 351.
- West, Col. Cato, in Natchez, IV, 316.
- West Columbia (W. Va.), formerly Alum Hill, I, 132.
- West Florida, boundary, IV, 332, VIII, 293, 312; roads, 343, 344; soil, IV, 351; sloughs, 337; settlements, 337; as a market, VIII, 293; Spanish in, III, 254; English, IV, 340, 359; capital, 338; Lyman's grant, 308; travellers in, 8, 12, 311, 325, 332, 336, XXVIII, 129; historical sketch, IV, 336.
- West India Company, founds colony, XIII, 120; prospects for mines, XXVI, 104, 105; employs Lochon, 104.
- West Indies, XII, 107; Creole dialect, XXVII, 55; slavery, XIX, 111, 112, XXVII, 42; hurricanes, IV, 348; sugar culture, 170, V, 212, XIII, 312; cotton, IV, 307; trade, III, 245, 305, IX, 247, X, 192, XI, 47, 132, XIII, 45, XXII, 42; with United States, III, 145, 194, 205, 351, VIII, 269, IX, 247, X, 130, XIX, 34, XXI, 27, XXX, 293; plants in, XIII, 57, 149, 216, 228, XVI, 156; in Revolutionary War, IV, 96; revolution in, III, 13; travellers, IV, 7, 188, 266, 318, 325, VI, 186, 390, XI, 78, XIX, 51, XXII, 85, XXIX, 118.
- West Liberty (W. Va.), road, III, 349; population, 148, 170; travellers in, 148, 149, 170, IV, 70, 71.
- West Newton (Pa.), road, III, 330.
- West Niagara, Loyalists in, VIII, 166.
- West Point (N. Y.), military academy in, XXIV, 191, XXVI, 137; Ellicott instructor, IV, 332; graduates, VIII, 181; in Revolution, XII, 70.
- West Point (Tenn.), on Clinch River, III, 96, 104; location, X, 245; F. A. Michaux in, III, 258, 261, 264, 265.
- West-Port (Ky.), location, IX, 158.
- West Providence (Bahamas), IV, 71.
- West Tennessee, climate, III, 276; soil, 273; population, 274.
- West Union (Ohio), population, IV, 204; travellers in, 203, 204, X, 69, XII, 207, 276; sketch, X, 69.
- West Virginia, location, X, 222; buffaloes in, III, 37; Indian mounds, XIII, 53, 54; rivers, I, 129, III, 169, 181, X, 206, 226, 229, XIII, 52; coal, XIV, 57; boundary, IV, 155, VIII, 258, X, 207, XIX, 31, XXII, 154; settlements, IV, 131; population, III, 174, 357, 358, XII, 33, XIX, 33; agricultural productions, 31; exports, III, 182; salt works, IV, 156; land prices, XIX, 31; counties, III, 33, 50, 335, 348, X, 205; pioneers and early travellers, I, 91, 132, IV, 108, 151, X, 220, 227, XII, 19; *Historical Magazine*, IV, 110.
- West Walden County (Va.), "Oak Hill" in, XI, 152.
- Western Emigration Society, first caravan, XXVII, 190.
- "Western Engineer," United States steamship, XIV, 40; Swift commands, XVII, 103; Graham, XV, 190, XVII, 97; merchandise, XIV, 96; repairs, 65, 93, 100, 106, 124, 157, 181, 216; navigation difficulties, 127; course, XVII, 97; Long on, IX, 164, XVII, 95, 102; on Cumberland River, 92; on Ohio, XIV, 10, 18; Missouri, 159; St. Louis, 11; Cape Girardeau, 18, XVII, 84, 88; Isle au Vache, XIV, 176; Engineer Cantonment, XV, 99; Indians astonished at, IX, 165, XIV, 178, 263, 264; abandoned, IX, 165; described, XIV, 178.

- Western Reserve, settlements, IV, 91; surrendered to United States, 91; metropolis, XXIV, 159; Evans in, VIII, 195; Historical Society, aid acknowledged, I, 14; *Tracts*, 106, 108. See also New Connecticut.
- Westford (Mass.), Buttrick in, VIII, 21.
- Westmoreland County (Pa.), county seat, III, 153, IX, 79; road, III, 330; Chartier's Run, I, 25; Fort Ligonier, III, 148; settlements, I, 23, 244, XXII, 138; Cuming in, IV, 73; Cummins, 350; Drips, XXVII, 136; Harris, III, 371; Newell, XI, 172; Scull, IV, 244; Wallace, 243.
- Westmoreland County (Va.), Marmaduke in, XIX, 181.
- Weston, William, hydraulic engineer, IV, 26.
- Westport (Mo.). See Kansas City.
- Westport (N. Y.), limestone in, XV, 182.
- Weterson Indians. See Ahnaway.
- Wethered, S., in Baltimore, XX, 205; hunter, 216.
- Wethersfield (Conn.), Dr. C. J. Tenny in, XXVI, 307.
- Wethersfield (Ill.), founded, XXVI, 307, 308.
- Wetmore, Maj. Alphonso, aids Flagg, XXVI, 31.
- Weybridge (Vt.), Edwin James in, XIV, 13.
- Whalers, risks of, XXI, 34; association of, 34; name mountain, XXIX, 32; wages, XXI, 34; boats, I, 106; on Pacific coast, XXX, 293.
- Whales, abundant, XXIX, 93; attacked by fish, XII, 160; killed for oil, XXI, 22, 28; seen by travellers, XI, 43, 47, 62, XII, 156, XVIII, 225, 227, XXII, 138; cabins of whalebone, VI, 203.
- Wharton, Capt. Clifton, escorts Santa Fé caravans, XIX, 187.
- Wharves, in Charleston (S. C.), III, 21; Detroit, VIII, 217; Portland (Ohio), IX, 311; Sandusky (Ohio), VIII, 79, 84; Schuylkill River, IV, 27.
- Whatcom County (Wash.), volcanoes in, XXIX, 33.
- Wheat, I, 141, IV, 52, 131; soil adapted to, X, 222, XIII, 51, XVII, 31, 117; cultivated, IV, 180, V, 260, 309, VII, 231, VIII, 209, 280, IX, 39, 300, X, 54, 133, 202, 211, 240, 280, 293, 294, 295, 341, 347, XI, 88, 153, 154, 168, 204, 264, XIII, 59, 78, 142, XIV, 128, XVIII, 121, 156, 222, 308, 348, 349, 375, XIX, 31, 42, 290, XXI, 298, XXII, 183, XXIV, 179, 182, XXVI, 193, 278, 302, XXVIII, 135, 138, XXIX, 18, 40, 60, 87, 90, 92, 118, 129, 146, 185, 249, 250, 322, XXX, 32, 33, 87, 111, 168, 188, 297; described by Palmer, 187; clover sown in, XI, 149; quality, V, 284, IX, 279, X, 188, 201, 249, 353, XI, 155, 165, 187, 248, XII, 265, XIX, 70, 71, 284, 285, XXIX, 91, XXX, 186; yield, IV, 197, V, 315, IX, 82, 303, X, 188, XI, 126, 137, 141, 142, 145, 146, 153, 155, 161, 176, 178, 187, 199, 236, 242, 248, 285, XII, 13, 14, 93, 100, XIII, 221, XVII, 106, XXIV, 140, XXVIII, 276, XXIX, 50, 90, 91, XXX, 186-188, 193, 286; abundant, XXIX, 22; scarce, X, 209; cost of production, XI, 150; harvesting, V, 310, IX, 254, X, 186, 188, 198, 249, 296, 340, 353, XI, 149, XIX, 75; article of trade, XVII, 156, XXIV, 148, XXX, 108, 179, 180; prices, IX, 82, 117, 126, 139, X, 74, 295, XI, 141, 148, 150, 153, 156, 176, 180, 248, 292, 300, XII, 17, 18, 66, 119, 237, XIII, 221, XIV, 148, XIX, 68, XXX, 189, 219; uses, IV, 284, X, 355, XI, 161, 235, XII, 274, XVIII, 75, XX, 156, XXIII, 370, XXVIII, 172, 184, XXIX, 26, XXX, 129; stored, X, 314; raised on Alleghanies, III, 289; in Kentucky, 88, 212, 237, IV, 352; Ohio, 103, 224, VIII, 194; Oregon, XXX, 187, 218; Pennsylvania, III, 134, 151, 153, IV, 37, XII, 178; Tennessee, III, 281; West Virginia, IV, 236.
- Wheatly, —, in Redstone (Pa.), IV, 263.

Wheeler, —, English emigrant, XI, 289, 298; in Princeton (Ind.), XII, 11; Brooklyn (N. Y.), 76-79; accompanies Faux, 20, 21.

Wheeler, Olin D., *Last of the Mandans*, XXIII, 234, 270; *Trail of Lewis and Clark*, XVIII, 263, XXI, 100, 363, XXVII, 356, XXXI, 233, XXX, 198; *Wonderland*, XXII, 364, XXIII, 234, 270.

Wheeler (S. Dak.), site, XXII, 296.

Wheeler County (S. Dak.), landmark in, XXII, 293.

WHEELING (W. Va.), XII, 19; character of country, X, 246, 320; briers, 207; situation, III, 168, 169, 171, 172, 348, 349, IV, 234, 235, VIII, 262, IX, 105, XIV, 60; distance from other points, IV, 71, IX, 98, 107, X, 261, XI, 196, XIX, 85, XXII, 144; Indian mounds in, 149; Ohio River at, X, 224, XXII, 147; first settled, III, 192, IV, 125; in Indian war, III, 348, IV, 96; rivalled Pittsburg, XII, 197; prairie fires, 286, 287; roads, III, 50, 337, 348, 362, 363, IV, 108, 110, 112, 203, 211, 226, 233, IX, 81, 105, X, 76, 207, 218, 327, XII, 203, XIII, 44, 45; river port, III, 349, X, 78, 208; transportation rates, IX, 105; as a market, III, 191, IV, 116, XI, 168; coal mines, X, 40; brewers, XI, 171; boat-building, III, 349, 351; manufactures generally, X, 72, 73; emigrant port, V, 299-301, XIX, 33, 41; thermometrical observations, III, 375, 376, 379; news-book, XI, 265; population, III, 33, 171, 349, IV, 113, XXII, 146; sketches, III, 349, IV, 112-114, VIII, 53, 262, IX, 100, X, 39, 221, XI, 169.

Individuals in: Biggs, III, 361, 363; Buttrick, VIII, 53; Cumming, IV, 8, 114, 233; Dunmore, 143; Faux, XI, 13, 167-171, XII, 19; Ferris, X, 244; Harris, III, 348, 357, 371, 372; Hulme, X, 39, 76, 77, 79; Long, XIV, 60; Maximilian, XXII, 13, 146; A. Michaux, III, 33; F. A. Michaux, 168, 170, 172, 173, 187, 188; Nuttall, XIII, 51, 52; Ogden, XIX, 32, 33; Welby, XI, 15, 16, XII, 202, 204, 205, 212, 276, 283; John Woods, X, 13, 216, 219, 221, 222, 256, 261, 319; Robert Woods, IV, 118; Zane, 125, 226, XI, 176; Wyeth, XXI, 39.

Whetstones, on Monongahela River, III, 30.

Whidbey, Joseph, island named for, XXIX, 120.

Whidbey (B. C.), colonists in, XXIX, 127.

Whigs. See Politics.

Whill Wetz village, on Oak Point, VII, 117.

Whippoorwills (*caprimulgus*), habitat, X, 291, XVII, 147, XXII, 386, XXVI, 355; numerous, XXII, 273, XXIV, 100-102, 108, XXVII, 106; two species, XIII, 206; *virginianus*, XV, 320, 326, XXII, 101; *vociferus*, XIV, 44; noted, XIII, 180, XXII, 260; described, X, 292.

Whips, as equipment, XXI, 256, XXVIII, 46; wagoners use, XIX, 246, 247, 254; Indians use, XXII, 346, 391, XXIII, 19, 103, 141, XXIV, 64; cow-hides, XII, 12, 56. For Whip-makers, see Trades.

Whirlpools, Ramrod Eddy (Remoux á Baguette), location, XXII, 239.

Whiskey, manufacture, VII, 64, X, 259, 342, XI, 290; made of plantain, XVIII, 146; distilled, IV, 116; age, XII, 109; quality, XI, 192, 269, XII, 101; scarce, X, 251, XI, 252; abundant, 75, 177, 205; Scotch fondness for, XII, 201; backwoodsmen use, IV, 199, 299, XI, 225, 252, 293; boatmen, IV, 303; as a bribe, XI, 106, 123, XII, 88; medicine, III, 152, IV, 207, XI, 92; present, V, 121, XIV, 231, 274, XVIII, 177; supply, XV, 191, XXX, 34; stolen, XXI, 325; article of trade, VIII, 269, IX, 234, X, 212, 253, XI, 143, XII, 259, XIII, 83, 103, XIV, 270, 310, XX, 76, XXI, 129, XXIV, 123, XXVIII, 174, 253; where sold, III, 158, IV, 42, 43, VI, 40, IX, 77, XII, 12, 249; prices, IV, 99, V, 121, 288, IX, 140, X, 108, XII, 177, XIII, 77, 88, XVIII, 171, XXII, 184, XXVII, 261, XXVIII, 174; tax on, III, 144; as a beverage, I, 23, III, 138, 139, IV, 209, VIII, 50, 67, X, 189, 245, 300, 301, 347, XI, 202, 205, XII, 95, 107, 134, 269, XIII, 49, 69, 94, 128, XV, 275, XXI, 85, XXII, 106, 193, XXIV, 141, XXVI, 62, XXVIII, 175; preferred to food, IV, 62;

- intemperate use of, III, 217, IV, 352, X, 97, 195, 255, 264, 337, XI, 299, XII, 103, 182, XV, 108, XIX, 143, XXII, 180, XXIV, 112; old Jamaica, XXVIII, 303; Spanish (*vino meschal*), XVIII, 75, 342, 363; Indian name for, V, 167, XV, 50; how made, XVIII, 99; prohibited to Indians, XIII, 136, XV, 50; refused by, IV, 90; effect upon, XXII, 258; love for, XIII, 134, 173, 296, XV, 49, 210, 211, XXIII, 17; demanded by, V, 164, VII, 224, XIV, 204, XVI, 119; given to, I, 30, IV, 263, 284, V, 167, VI, 93; used by, IV, 283, VIII, 68, 71, 238, XI, 211, XIV, 236, 267, 269.
- Whistasmawheykin (white bear), Okinagan chief, VII, 306.
- Whitby, Capt. —, pioneer, XXI, 57.
- Whitcomb, J. L., farmer, XXIX, 21.
- White, —, cattle-man, XII, 321.
- White, —, on Ohio, IV, 96.
- White, —, treats disease, IV, 156, 158.
- White, —, Virginia emigrant, IV, 104.
- White, Dr. —, near Nashville, III, 62.
- White, Dr. Elijah, Oregon missionary, XXVIII, 376, XXIX, 25; physician, 20; Indian agent, XXX, 100, 110, 231; exploring expedition, 123, 125; harvests wheat, 186; *Ten Years in Oregon*, 101, 178; sketch, XXIX, 20.
- White, Henry, on Erie Canal, XXIV, 185.
- White, Hugh, New York pioneer, XXIV, 185.
- White, James, Tennessee pioneer, III, 59.
- White, John, on "Tonquin," VI, 195.
- White, Josiah, coal operator, XXII, 123.
- White, Kirk, cited, XXVI, 230.
- White, Philip, death, XII, 71.
- White Apple, Natchez chief, XIII, 348; relations with Chopart, 349.
- White-apple (pomme blanche). See *Psoralea esculenta*.
- White Apple Village (Miss.), Hutchins in, IV, 326.
- White Bear. See Whistasmawheykin.
- "White Beaver," Indian name for Atkinson, XXII, 229.
- White Cloud. See Winnebago Prophet.
- White County (Ark.), river, XVII, 25.
- White County (Ill.), seat, X, 264, 324; drainage, XXII, 188.
- White Cow (Tasone, White Buffalo), Omaha chief, V, 90, XIV, 261, 320; meets Maximilian, XXIII, 144; wounded, 148; described, 87, 88.
- White Eyes, Captain, Delaware chief, I, 210.
- White Hair (Chevaux Blancs, Pahuska), Osage chief, V, 192, VI, 40, 59, XIII, 237, XVI, 274; sketch, XIII, 237.
- White Hair (the younger), with Pike, V, 192.
- White Haven (Pa.), connected with Mauch Chunk, XXII, 89.
- White Oak (Tenn.), III, 62.
- White Plume (Plume Blanche, Wompawara, He who scares all men), Kansa chief, XIV, 177, XXVII, 201.

- White Robe (surnamed Juggler). Pend d'Oreille chief, XXIX, 174.
- White (or biscuit) root. See *Psoralea esculenta*.
- White Wolf (Wolf Man Chief, Chief of the Wolves), Minitaree chief, V, 163.
- White's Station (Tenn.), James White in, III, 59.
- Whitefield, —, leader of Moravians, XXII, 77.
- Whitefish (*coregonus clupeiformis*), habitat, II, 79, 118, 150, 197, XXIX, 250, 257; size, 249; narrow-mouthed, XXI, 194; abundant, VIII, 181, 221, 231, 234, XXIX, 250, 251, 254; described, VIII, 221.
- Whitehall (Ill.), described by Flag, XXVI, 301; population (1838), 301; sketch, 301.
- Whitehall (N. Y.), argillite in, XVII, 250; Franchère, VI, 190.
- Whitehall Landing (N. Y.), renamed Whitesborough, XXIV, 185.
- Whitehouse, —, catalogued as author, XXI, 13.
- Whitemarsh (Md.), Father Quickenborne in, XXVII, 263.
- Whitesborough (N. Y.), described by Maximilian, XXIV, 185.
- Whitestown (N. Y.), environment, XXIV, 186; farmers in, XI, 300.
- Whitethorn, stunted, XXII, 60; observed by Faux, XI, 137.
- Whitley, Col. William, pioneer, XXVI, 215.
- Whitman, Alice Clarissa, drowned, XXVIII, 335, 336.
- Whitman, Dr. Marcus, Oregon missionary, XXI, 352, XXVII, 389, XXVIII, 344, 345, XXX, 108, 109, 222, 231, 235, 238, 240; character, XXI, 355, XXVIII, 338, XXX, 242; as a surgeon, XXVII, 299; takes out wagon, XXVIII, 322; arrival in Oregon, XXI, 335, XXX, 285; at Wailatpu, XXVIII, 12, 91, 329, 333; at Fort Walla Walla, XXI, 352; erects mill, XXX, 241; journey East, XXIX, 97; at Fort Boise, XXVIII, 112, 322; in Green River valley, XXVII, 147; hardships, XXVIII, 335, 336, XXX, 112, 113; employees, XXVIII, 275, 342; entertains Farnham, 335; joins Palmer, XXX, 112; meets Townsend, XXI, 353; letter to, XXX, 239; relations to Indians, XXVIII, 339, 341, 353, XXX, 106; massacred, XXI, 352, 353, 355.
- Whitman, Narcissa Prentice, outward journey, XXI, 355; adopts children, XXX, 113, 114; as missionary, XXVIII, 342, 357; relations to Farnham, 334, 346; *Letters*, 322, 323; *Journal*, XXI, 353, 355; XXVIII, 328, 333, 336; sketch, XXI, 355.
- Whitman, Perrin, with Palmer, XXX, 15.
- Whitman (Kans.), site, XVI, 243.
- Whitman County (Wash.), boundary, XXIX, 288.
- Whitney Exploring Expedition, cited, XXVII, 180.
- Whittemore, —, in Kentucky, X, 66.
- Whittier, —, faithfulness to Wyeth, XXI, 73.
- Whittlesey, Charles, *Cleveland*, I, 106.
- Whortleberries. See Huckleberries.
- Whowhylaugh (Red Fox), Okinagan chief, VII, 276.
- Wichita (Witchita) Indians, stock, XVI, 95, XX, 297; habitat, XIII, 133; dexterity of, XX, 266; Delaware among, XXVIII, 138; treaty with other tribes, XX, 107, 108; Comanche on reservation, XXVIII, 150; described, XX, 341; population (1844), 342.
- Wichita (Kans.), site, XVI, 239.

- Wickananish, Indian chief, visited by John Meares, VII, 112.
- Wickanook Indians, habitat, VII, 165.
- Wickersham, James P., *Education in Pennsylvania*, IV, 35.
- Wied-Neuwied, prince of, relative of Maximilian, XXII, 236.
- Wilberforce, William, English philanthropist, XI, 39; interest in liquor traffic, XXIX, 100.
- Wilborne, Maj. —, in Pecannerie settlement, XIII, 280.
- Wilbraham (Mass.), Lee in, XXI, 138.
- Wild, —, in Belpré (Ohio), IV, 131.
- Wild-berry, abundant, XXVI, 274.
- Wild-cat (*pichou*, *lynx canadensis*), habitat, I, 311, II, 77, III, 234, X, 287, XVII, 146; depredations of, X, 285, XI, 283, 289; hunted, 200, XVI, 54; numerous, XIII, 168, XXVII, 184, 334; scarce, XXIII, 249; as food, I, 311, II, 189, XI, 237, XIV, 287; noted, XI, 203, XVIII, 194; described, X, 288; tails, as ornaments, XXIX, 392.
- Wilde, R. H., quoted, XXVII, 97.
- Wildenow, Karl Ludwig, botanist, III, 135.
- Wilderness Road. See Roads: Wilderness.
- Wildman, Zalmon, founds Portland (Ohio), VIII, 84.
- Wilkes, Commodore Charles, explorer, VII, 248; visits South Sea, XIV, 41; Oregon expedition, XXIX, 132; meteorological observations, 85, 86; measures Mt. St. Helena, 121; at Clackamas village, XXX, 156; visits Moore, 163; meets Simpson, XXIX, 132; described by Gay, XXX, 174; *Exploring Expedition*, VI, 240, XXVIII, 13, XXIX, 126, 129, 130, 132, 133, 138, 274, XXX, 190; *Report on Oregon*, XXIX, 71-102.
- Wilkes, John, town named for, XXII, 111.
- Wilkesbarre (Pa.), location, XXII, 116; Bodmer in, 124; Catlin, 32; Maximilian, 110-112; population, 111; sketch, 111.
- Wilkins, Lieut.-Col. John, sketch, XXVII, 78, 79.
- Wilkins, William, sketch, IV, 82.
- Wilkinson, Gen. James, in Revolution, IV, 245; War of 1812-15, VIII, 159; commands Loftus Heights, IV, 357, 358; in New Orleans, III, 81, IV, 362, XIII, 309; White River (Ark.), IV, 298; erects Fort Adams, 328; Fort Bellefontaine, XIV, 122, XVIII, 32, XXVI, 117, 260; Fort Pickering, IV, 293; fortifies Cap-au-gris, XXVI, 129; towns named for, 78; Evans visits, VIII, 349; sketch, IV, 245.
- Wilkinson, Lieut. James Biddie, Arkansas River expedition, V, 193, XIII, 12, 197, 251; geographical nomenclature, 272; mistakes Nennescah River, XVI, 243; among Verdigris Indians, XIII, 237; escorted by Osage chief, XVI, 274.
- Wilkinsonburg (Miss.), stage route, IV, 330; Cuming in, 278, 328, 345; population (1804), 329; sketch, 329, 330.
- Wilkinsville (Il.), location, XIX, 60; sketch, XXVI, 78.
- Willamette (Oregon), Methodist mission in, XXIX, 133; college, 143; Demers and Blanchet, 128; Wilson, 25.
- Willamette Indians, method of flattening head, XXI, 304; village described, VI, 246.
- Willamgicken (Wellemeghikink), Delaware chief, sketch, I, 185.
- Willard, Dr. —, character, XVIII, 331; as a physician, 337, 338, 346, 347; prosperity, 346; expedi-

WILLARD (continued)—

- tion to New Mexico, 325-350, 359-363; journal, 18, 331, 337, 339, 340, 348; literary style, 348; scientific observations, 332-335, 337, 340, 341, 347, 349, 359; *Downfall of Fredonian Republic*, 18; *Inland Trade with New Mexico*, 18; *Tour*, 325, XIX, 332.
- Willet (*scolopax semipalmata*), observed by Long, XV, 322, 327.
- "William Hulbert," wreck of, XXVI, 57.
- Williams, —, California emigrant, XXVII, 237.
- Williams, —, in Princeton (Ind.), XI, 282.
- Williams, —, tavern-keeper, IV, 174.
- Williams, Capt. —, naval commander, XXI, 97.
- Williams, Capt. —, at Fort Blount, III, 96.
- Williams, Col. —, at Shawneetown, X, 311.
- Williams, Capt. Aaron W., as smuggler, XVIII, 245.
- Williams, Charles R., *George Croghan*, VIII, 200.
- Williams, Delight, in Evansville, XI, 300.
- Williams, Rev. Eleazer, Indian agent, XXIV, 183.
- Williams, Dr. John Rogers, aid acknowledged, I, 14.
- Williams, Robert, governor of Mississippi, IV, 319, 324.
- Williams, Shrewsbury, founds settlement, XXIV, 117.
- Williams family, in Arkansas, XIII, 195.
- Williams County (N. Dak.), river in, XXII, 367.
- Williams's Ferry (Mo.), site, XXIV, 117.
- Williamsburg (Mo.), Palmer in, XXX, 32, 33.
- Williamsburg (Pa.), Maximilian in, XXII, 92.
- Williamson, —, in Kentucky, III, 215.
- Williamsport (Pa.), site, III, 337.
- Williamstadt (N. Y.), name for Albany, VIII, 118.
- Willing, Capt. —, in Revolution, III, 254, IV, 317, 359.
- Willis, —, mail-carrier, IV, 211.
- Willis, Nathaniel, publisher, III, 186, IV, 220.
- Willis, Nathaniel P. (grandson of foregoing), poet, III, 186.
- Williston (N. Dak.), site, XXII, 373.
- Willow Bar, camping place, on Cimarron River, XIX, 229, XX, 93.
- Willows (*salix*), habitat, II, 99, III, 181, 219, IV, 103, 282, 284, 290, 291, 295, 296, 299, 301, 305, 309, 310, V, 255, VI, 38, 67, 86, 243, VII, 152, IX, 108, X, 232, 306, XII, 80, 298, XIV, 74, 125, 240, XV, 139, 142, 230, 236, XVI, 54, 66, 177, XVII, 115, 137, XVIII, 43, 86, 103, XIX, 207, XXII, 50, 152, 239, 244-246, XXVIII, 235; scarce, XVIII, 142, XXI, 266, XXII, 93, XXVIII, 185; abundant, VIII, 303, XIV, 185, XXI, 54, 185, 197, 198, 204, 210, 213, 216, 219, 234, 239, 243, 244, 247, 268, XXII, 117, 145, 152, 201, 205, 206, 208, 238, 276, 280, 296, 298, 299, 313, 315, 330, 338, 340, 341, 344, 356, 359, 360, 373, 385, XXIII, 36, 37, 39, 40, 43, 45, 48, 52, 63, 138, 180, 181, 184, 207, 208, 215, XXIV, 20, 22, 85, 86, 96-99, 108, 187, XXIX, 195; quality, XXVIII, 79; size, XVI, 231; tall, XVIII, 89; small, XV, 261, XVIII, 140; scanty, XVI, 57, 92; shrivelled, XXVIII,

- 186; shrub, 284, 289, 299; as ornamental tree, XXVI, 259; surround grave, XXI, 229; as fuel, XXIV, 27, XXVIII, 313, XXX, 86; as fodder, XV, 300; fans of, XXIII, 327; fishing nets, XXI, 265; caterpillars on, XXIV, 109; bark, as dye, XXIII, 266; branches, as ornament, 327; observed, IX, 159, XIII, 92, 100, 128, XVI, 26, 31, 176, 242, XXI, 301, XXVI, 94, XXVII, 214, 257, 334, XXVIII, 104, 228, 252, 311, 324, 332, 349, 351, XXIX, 37, 44, 87, XXX, 46, 65, 67, 72, 73, 76, 170, 231; red (*cornus sericea*) — as tobacco, XV, 122, XVII, 169, XXII, 313, XXIII, 274, XXVIII, 57; for canoes, VI, 84; in flower, XXIV, 100; weeping (*babylonica*), IV, 108, 249, IX, 51, 53, 156, XII, 163, XIX, 75, 76, XXII, 42, 55, 61, 69, 133, XXVI, 270; white, XXII, 146; yellow, XII, 323; (*angustata*), XIV, 125, XVI, 177; (*caroliniana*), XIII, 196; (*longifolia*), XXIII, 33; (*longirostris*), III, 219; (*lucida*), XXIII, 33.
- Wills, Ross & Company, in Steubenville (Ohio), X, 79.
- Willshire (Ohio), founded by James Riley, XVIII, 28.
- Willson, Rev. —, teacher, IV, 66.
- Willson, Beckles, *Great Company*, II, 200.
- Wilmington (Del.), location, IV, 29; powder mills in, XII, 68; Baldwin in, XIV, 39; described, XII, 292.
- Wilmington (Vt.), Evans in, VIII, 115.
- Wilson, —, freebooter, XXVI, 74-76.
- Wilson, Capt. —, in West Virginia, III, 361.
- Wilson, Dr. —, with Long, XVI, 17, 18, XVII, 12, 48.
- Wilson, Alexander, ornithologist, IX, 56; names hawk, XVI, 127; describes wren, XV, 290; *American Ornithology*, XVI, 127, XXII, 39, XXIV, 321.
- Wilson, Benjamin, trapper, XX, 80.
- Wilson, David, in Tennessee, III, 55.
- Wilson, Edward, merchant, XI, 120; in Philadelphia, 107, 160, 163; advice to English farmers, 160.
- Wilson, Maj. Frederick T., *Old Fort Pierre and its Neighbors*, XXVII, 146.
- Wilson, James, *New York: Old and New*, VI, 191; *Memorial History of New York*, 192.
- Wilson, James, newspaper editor, X, 80.
- Wilson, James, traveller, IV, 58, 59, 100.
- Wilson, Rev. Joshua L., founds school, XIX, 36.
- Wilson, Peter, Indian agent, XXIII, 228.
- Wilson, W. H., missionary, XXIX, 25.
- Wilson, William, judge, XI, 174, 175.
- Wilson, Capt. Zaccheus, in North Carolina, III, 55.
- Wilson, Zachariah, baggage master, XV, 191, XVII, 98.
- Wilson & Hunt, lumber dealers, XXX, 204.
- Wilson's Grove (Ill.), college in, XXVI, 308.
- Wilson's Springs (Ind.), settlement, IV, 262.
- Wilton (N. H.), Evans in, VIII, 105.
- Winchester, Gen. James, in Tennessee, III, 61, 256, 257; in Battle of River Raisin, VIII, 205, 206, 210; sketch, III, 61.
- Winchester (Ohio), sketch, XXIV, 151.

- Winchester (Va.), III, 52; Wood founds, 49; Washington in, VIII, 247; Indian conference in, I, 72, 94; Dove in, XXIV, 151; Sanford, XXII, 235; sketch, III, 49, 50.
- Windmiller, —, tavern-keeper, XII, 22.
- Windsor, Richard, island named for, XXIII, 66.
- Wines, IV, 188; manufacture of, V, 316, IX, 157, X, 43, 53, 57, 240, 313, 354, XI, 251, XII, 204, XIII, 63, 142, XVIII, 85, 350, XXII, 78, XXVII, 70; quality, X, 240, XIII, 63, XVIII, 156, 347, 361, XXII, 142, XXIV, 155, XXVII, 69; adulterated, XII, 315; as a beverage, 166, 245, 302, XIX, 134, 294, XXIII, 11; food, VI, 315, XI, 51, 79, XII, 14, XVIII, 74, 145, 255; article of trade, X, 337, XI, 45, XVIII, 347, 360, XX, 203, XXII, 383, XXVII, 69, XXIX, 60; abundant, XVIII, 227; given to Indians, VII, 249, XXIV, 56; duty, XII, 169; prices, IX, 31, X, 43, XI, 70, XII, 169, 260, 269, XIII, 112, XVIII, 171; in Arkansas, XIII, 115; Europe, 64; Indiana, V, 315, VIII, 284; New Mexico, XVIII, 375; on "Tonquin," VII, 61; blackberry, XII, 269; burgundy, XIII, 63; champagne, XI, 91, 304; claret, XII, 109, 134, XIII, 63, XXVII, 73, 84; French, III, 207; Holland, XI, 66; Italian, XXIX, 66; Madeira, VI, 214, XI, 48, 70; Malaga, XX, 156; sherry, XII, 102; white, 260. See also Vineyards.
- Winesboro (S. C.), summer resort, III, 294.
- Winkler, Ernest W., *Cherokee Indians in Texas*, XVIII, 365.
- Winnebago (Fish-eaters, Horoge, Nippegon, Puan) Indians, French name for (Puant), II, 186; habitat, VIII, 232, 292; stock, XX, 297; progenitors of Iowa, XXIV, 313, 314; language, XVII, 306-308; characteristics, II, 186, VIII, 271; character, 232; compared with South American tribes, 274; migrations, XV, 131; hostilities against other tribes, VIII, 271; attack St. Louis, XXVI, 149; treaty with Oneida, XXIV, 183; population, XX, 341; sketch, VIII, 292.
- Winnebago Prophet (White Cloud, Wabokieshiek), sketch, XXII, 230.
- Winnipeg (Can.), trading-post, XXIX, 132; Manson in, 284; Provencher, 255; Ross, VII, 11; Taché, XXIX, 255.
- Winona (Minn.), Indian village at, II, 189.
- Winship, —, Boston firm, VI, 287.
- Winship, George Parker, *Coronado Expedition*, cited, XIX, 258, XX, 64.
- Winship, Nathan, commands "Albatross," VI, 287.
- Winslow (Maine), site, XXVII, 66.
- Winsor, Justin, *Mississippi Basin*, I, 137; *Narrative and Critical History*, 127, XIX, 104, XXIII, 366, XXVII, 44; *Westward Movement*, III, 186.
- Winter, Capt. —, at Mackinac, V, 137.
- Winter, Elisha, land grant to, XIII, 106, 107, 112, 129, 136.
- Winter, Gabriel, land grant to, XIII, 106, 107, 112, 129, 136.
- Winter, William, land grant to, XIII, 106, 107, 112, 129, 136.
- Winthrop, John, governor of Massachusetts, XI, 53.
- Wirt, William, *British Spy*, XXVI, 32.
- Wirt, William, attorney-general, XII, 36.
- Wisconsin, Indians in, XVIII, 31, XXI, 122, XXIII, 190, XXVII, 161; pipestone quarries, V, 107, XXII, 322; first settler, II, 185; early travellers, I, 114, II, 30, 187-191, IV, 266, V, 36, XXVIII, 14; State Historical Society — library, I, 14, II, 17, III, 44, 48, 104, 360, IV, 156, V, 37, 38, 224, VI, 48, XII, 19, XXII, 20, 230, XXVIII, 19, XXX, 19; *Bulletin of Information*, XXVIII, 155; *Proceedings*, II, 11, 75, VII, 35, XXIII, 25, XXVI, 138; *Wisconsin Historical Collections*, I, 306.

- II, 12, 30, 44, 51, 76, 81, 82, 85, 168, 183, 185-187, III, 71, V, 36, 37, 87, 157, 235, 249, VI, 310, 375, VIII, 227, 232, 234, 291, IX, 188, XV, 134, XXI, 145, XXII, 218, 228, XXIV, 97, 183, XXVI, 95, 138, 149, 282, XXVII, 43, XXVIII, 141.
- Wise, Capt. —, commands "Ruthy," XI, 34, 43, 44.
- Wiseman, —, in North Carolina, III, 56, 57.
- Wiseman, Nicholas Patrick Stephen, *Appeal to Reason and Good Feeling*, XXVII, 296.
- Wishton-wish (bird), habitat, XXVI, 355.
- Wiskain, Indian deity, XXVII, 169.
- Wislizenus, Dr. F. Adolph, in Las Vegas, XIX, 252; in Oregon, XXVIII, 274; Fort David Crockett, 251; Fort Hall, 302; cited, XX, 159, XXVIII, 174; *Ein Ausflug nach den Felsen-Gebirgen*, 173; *Tour to Northern Mexico*, XVIII, 153, XIX, 218, 222.
- Wissememet, Abnaquis Indian, XXVII, 68.
- Wistar, Caspar, president of American Philosophical Society, IX, 55.
- Wistelo, religious devotion, XXVII, 324.
- Witch-hazel (*hamamelis virginica*), habitat, XXIV, 153; observed by Baldwin, XIV, 111.
- Withers, Alexander Scott, *Chronicles of Border Warfare*, I, 127, 128; *Western Pennsylvania*, 127.
- Witherspoon, Dr. James, sketch, IX, 51.
- Wizakeshak, in Indian tradition, XXIX, 373.
- Woburn (Mass.), Wright in, VI, 398.
- Wöhler, —, tavern-keeper, XXII, 84, 87, 95.
- Wolf, Minitaree chief, XV, 63.
- Wolf Chief (Charata-Numakschi, Chef de Loup, Hanatanumauk), head chief of Mandans, XXII, 345, 358, XXIII, 376, XXIV, 17.
- Wolf Hills (Va.), becomes Abingdon, III, 46.
- Wolf Man Chief. See White Wolf.
- Wolfe, —, Ohio farmer, IV, 139, 140.
- Wolfe, Gen. James, scholar, I, 296; in French and Indian War, IX, 27, 329, 330; captured, VI, 395.
- Wolfe's Cave, named for Wolfe, IX, 329.
- Wolverines (Beaver-eaters, carcajou, *gulo luscus*), habitat, II, 76, 132, VII, 51, XXIX, 51; abundant, XXVII, 334.
- WOLVES: I, 245, 247; resemble dogs, XXII, 310; picture of, XXVII, 130; habitat, XIII, 262, XX, 271, XXI, 306, XXII, 35, 299, 302, XXIII, 42, 194, 236, XXIV, 44, 139, XXVII, 39, 178, 184, XXVIII, 62, 204, 281, 286, 379, XXIX, 207, 209; habits, V, 119, XVI, 135, 140, 146, XXI, 336, XXIV, 44, 46, 47, XXVIII, 283; howling, XIX, 208, XXI, 160, 218, XXIV, 94, XXVIII, 170, 199, 245, 284, XXIX, 214; in Indian folk-lore and customs, VII, 305, XV, 114, XXIII, 119, 302, 308, 310, 331, 375, 381, XXVII, 267; numerous, V, 118, 121, VIII, 126, 186, 196, IX, 116, X, 249, XV, 217, XVI, 103, 128, XVII, 146, XVIII, 56, 61, 335, XXI, 157, XXII, 135, 168, 178, 263, XXIII, 174, 182, 185, 199, 215, XXIV, 105, XXVII, 158, 334, XXIX, 93, XXX, 248; scarcity, V, 280, XVI, 242, XXIV, 54; depredations, VII, 215, VIII, 103, 196, X, 284, 288, XI, 229, 250, 258, 283, 284, XII, 259, XIV, 275, XV, 83, 257, 278, XVI, 252, XVII, 59, XIX, 322, XX, 210, XXI, 51, 210, XXII, 393, XXIII, 24, 37, 40, 47, 121, 179, 184, 346, XXIV, 56, 58, 70, 86, XXVII, 399, XXVIII, 165, 210, 215, XXIX, 91, 94, 282, XXX, 291, 292; attack buffalo, V, 147, 150, XV, 248, XVI, 76, 231, XX, 264; follow hunters and caravans, V, 175, XX, 92, 156, 189, 238, 239, 283; bounties for

WOLVES (continued) —

scalps, VIII, 126, IX, 230; hunted, XI, 200, XXII, 331, XXIII, 212, 347, XXIV, 15, 20, 21, 23, 36; killed by panthers, XIII, 211; used as food, VII, 190, XX, 333, XXIII, 277; use for skins, VII, 277, 282, XIV, 235, 239, XVIII, 43, XXII, 371, XXIII, 12, 15, 109, 289, 350, 382, 388, XXIV, 106; tails, XIV, 257, XXIII, 15, 265, 349, 350, XXIV, 52, 80, XXVII, 163, 173, XXIX, 313, 392, 394; teeth, XXVIII, 343; hair, VI, 122; prices for, XXI, 347, XXII, 381, XXIV, 45.

Varieties: number of species, XXIII, 249; colors, XXIV, 45; black (*canis lycaon*), XIII, 168, XIV, 166, 186, 252, XV, 317, XVI, 169, 251, XXIV, 120, XXVII, 267, XXIX, 51; bluish, XXVII, 267; large brown (*c. lupus occidentalis*), XXI, 336; *c. cancrivorus*, XIV, 257; grey, V, 123, XIII, 168, XIX, 327, XX, 271-273, XXIV, 120, XXVII, 267, XXVIII, 221, XXIX, 51; *c. mesomelas*, XIV, 257; *c. nubilus*, 252, 257; prairie (*c. latrans*), 251-257, 275, XV, 247, XVI, 88, XVIII, 85, XX, 273, 274, XXI, 170, 257, 258, XXIII, 247, 273, 302, 331, XXIV, 44, 71, XXVI, 322, XXVII, 21, XXVIII, 200; red, XIV, 252, XXIX, 51; *c. variabilis*, XXIII, 249; white (*c. mexicanus*), XIII, 262, XIV, 252, 257, XVI, 151, 224, 225, 229, 238, XVIII, 48, 56, XX, 272, XXI, 155, 246, XXII, 334, 340, XXIII, 39, 177, 381, XXIV, 18, XXVII, 267.

Localities: West, II, 77, XXVIII, 284; Black Swamp, VIII, 83, 84; Columbia River, VI, 323; Illinois, X, 287; Indiana, XI, 292; Missouri River, V, 145, VI, 47, 106, 110; Ohio River, IX, 158; Pennsylvania, IV, 52; Tennessee, III, 63.

Described by travellers: Brackenridge, VI, 135; Evans, VIII, 198; Faux, XI, 203, XII, 12; James, XV, 179; Maximilian, XXII, 276, 318, 344, XXIII, 30, 86, 172, 183, 205, 207, 213, 216; Nuttall, XIII, 206, 276.

Womelsdorf (Pa.), founded, XXII, 130; Weiser in, I, 17, 21.

Wompawara. See White Plume.

Wood, —, English emigrant, X, 212.

Wood, Col. —, in Ohio, XII, 16.

Wood, Chauncey, with Farnham, XXVIII, 98, 99.

Wood, Eleazer Derby, soldier, VIII, 181.

Wood, J., with Farnham, XXVIII, 98, 183-185, 242, 276, 277.

Wood, Col. James, founds Winchester, III, 49.

Wood, Rev. Joel, Indian missionary, XXIV, 175.

Wood, John H., publisher, XVIII, 24.

Wood, Maria, river named for, XXIII, 84.

Wood, Moses, relations with Faux, XI, 107, XII, 71, 73.

Wood, Tallmadge B., letter, XXX, 204.

Wood, William, English emigrant, XI, 252, 269.

Wood. See Timber.

Wood County (Ohio), auction, IV, 129; jail, 131; river, VIII, 202.

Woodbine (*cissus quinquefolia*, *ampelopsis quinquefolia*), described, XVI, 161; abundant, XXVI, 320.

Woodbridge, Judge Dudley, sketch, III, 354.

Woodbridge, William, governor of Michigan, III, 354.

Woodbridge (N. J.), Skinner in, IV, 53.

Woodburn, John, tavern-keeper, IV, 237.

Woodbury (N. J.), founded, X, 212.

- Woodchuck (*arctomys marylandica*), as food, XV, 226.
- Woodcocks, habitat, VI, 323, X, 291, XXVII, 131; size, XII, 297; abundant, 171, XXII, 99; described, 136; little (*scolopax minor*), noted, XV, 322, 327.
- Woodford (Vt.), Evans in, VIII, 115.
- Woodhens, hunted, XXII, 100.
- Woodhouse, Prof. —, in Kentucky, IV, 122.
- Woodman, J., aids Wyeth, XXI, 73.
- Woodpeckers (*pici*), habitat, IV, 203, X, 291, XXII, 385, XXIII, 250, XXIV, 85, XXVI, 355, XXIX 51; numerous, XXII, 104, 166, 190, 194, 195, 198, XXIII, 182; food, V, 281; noted, X, 208, 239, XIX, 140, XXIV, 95, 99, 149, 152; varieties, X, 292; downy (*pubescens*), XV, 322; gold-winged (*auratus*), 322, 327; hairy (*villosus*), 322; ivory-billed (*principalis*), XVI, 171, 172; Lewis's (*torquatus*), 26, XXI, 201; pileated (*pileatus*), XIV, 79, XV, 322, 327, XVI, 172, XXI, 126, XXII, 136, XXIII, 319, 320; red-bellied (*carolinus*), XV, 322; red-headed (*erythrocephala*), 322, 327, XVI, 26, 172, XXII, 74, 88; spotted, 105, 106; yellow, 127; bills, as ornaments, XXIII, 131; heads, as ornaments, 108, 319; prices, 320.
- Woods, —, fur-trader, XIV, 277.
- Woods, —, Ohio farmer, IV, 235.
- Woods, Col. —, tavern-keeper, XII, 207.
- Woods, John, Pittsburg lawyer, IV, 76, 84, 254.
- Woods, John, on "Resolution," X, 180-187; number in party, 179; in Pittsburg, 217, 218; on Ohio River, 222-254; in Ohio, 224; in Shawneetown, 264; from Shawneetown to English Prairie, 254-261; land patent, 343, 344; purchases farm, 263, 264, 266; live-stock, 263, 282; cabin, 278; post-office, 351; adventure with bear, 252; visits Harmony, 312-315; letters, 196, 233; *English Prairie*, XI, 281, XII, 203, XIX, 37, 43, 55, 58, 67, XXII, 150, 153-155, 160, 203, XXIV, 152, XXVI, 77, 81, 243, 278, 360; *Journal*, X, 179, 353, XI, 16; *Two Years' Residence*, X, 13, 173-357; sketch, 13, 14.
- Woods, Robert, surveyor, IV, 111, 118.
- Woodsboro (Md.), A. Michaux in, III, 5.
- Woodsides, Jane, in Illinois, XXX, 148.
- Woodsnipes, observed by De Smet, XXVII, 367.
- Woodstock (Conn.), Jedidiah Morse in, XII, 50.
- Woodstock (Pa.), founded, X, 214.
- Woodstock (Va.), founded, III, 49; A. Michaux in, 52.
- Wood-ticks, abundant, XV, 185; troublesome, XIV, 16, XVI, 169, 182, XXX, 32; remedy for bites, XVI, 171; described, 153-155.
- Woodward County (Okla.), saline in, V, 193.
- Wool. See Sheep.
- Woolens. See Cloth.
- Wooster (Worster, Ohio), road, IV, 101.
- Worcester (Mass.), American Antiquarian Society, I, 130; Buttrick in, VIII, 89; Harris, III, 20.
- Worden, Mrs. Frances C., aid acknowledged, IV, 13, 350.
- Work, John, founds settlement, XXVII, 386.
- Wormwood (*artemesia*), habitat, XXIX, 87, 92; in Indian folk lore, XXIII, 379; abundant, VI, 339,

WORMWOOD (continued)—

- XV, 249, XVI, 99, XXI, 188, 200, 231, 232, 235, XXII, 370, 372, XXIII, 34, 49, 64, 78, 174, 176, 181, 214, XXVIII, 109, 226, 238, 243, 247, 248, 278, 281, 284, 289, 295, 302, 311, 313, 314, 323, 346, 348, 350, XXIX, 45, 184, 287, 289, XXX, 91; scarce, X, 303; aromatic, XXI, 183, XXVII, 174; uses, VI, 339, XXIV, 34, 140, 328, 340, 341, 370, XXVIII, 245; *absinthium*, XV, 249, XXVII, 215; *tridentata*, 174, 215; other varieties, V, 320, XV, 249; observed by travellers, V, 101, 320, XXI, 174, XXIII, 35, 183, XXVIII, 234, XXX, 68. See also Sage.
- Worsley, —, English emigrant, XI, 140, 142, 148-150.
- Worthington, Col. Thomas, sketch, IV, 218, 219, X, 70, 71.
- Worthington (Ohio), Indian mounds in, XIX, 84.
- Wounded Foot. See Huh-Jiob.
- Wrens, numerous, VI, 109; *certhia caroliniana*, XV, 289, 290, 320; *c. palustris*, 320; *troglodites* (winter), 320; *t. adon*, XXIV, 102; *t. hyemalis*, XXIII, 213; *obsoleta*, XV, 289, 290; observed by scientists, XVI, 26, 69, XXII, 299, 369, XXVII, 257.
- Wright, Frances, social experiment, X, 155; with Mrs. Trollope, XXI, 44; *Society and Manners in America*, X, 155.
- Wright, Col. George, attacks Paloo Indians, XXIX, 288.
- Wright, Rev. John, pamphleteer, XI, 94, XII, 55, 72, 74; in Washington (D. C.), XI, 120, XII, 48, 59; Pennsylvania, XXII, 114, 115; with Faux, XI, 115, XII, 98, 123.
- Wright, Joseph, founds Rome (Ind.), X, 246.
- Wright, Philemon, at Kettle Falls, VI, 398.
- Wright, T. C., in Georgetown (D. C.), XI, 126, 129.
- Wright City (Mo.), location, XIV, 131.
- Württemberg, emigrants from, XXII, 84.
- Württemberg Separatists, found Zoar (Ohio), XXIV, 154, 155.
- Wyalusing (Pa.), founded, I, 187.
- Wyandot (Petun, Tobacco Huron), stock, XX, 297; habitat, I, 168, VIII, 78, 199, XXII, 178, XXIV, 148; hunting grounds, I, 168; at Cedar Point, 112; Detroit, 113, 115, 153; on Maumee, 151; Muskingum, 53, 130; Stony Creek, 108; population, 168, XX, 317; conditions, VIII, 204; chiefs, 118, IX, 314; treaty with Iroquois, I, 25; speeches, 118, 160; council with, 28-30, 35, 62; relations with French, 29, 36, 76, 168; with English, 30, 42, 53, 56, 65, 118, 119, 155, 156; land grant to United States, XII, 213; in Revolution, XXIV, 156; missions for, IV, 90; books among, XX, 305; Evans visits, VIII, 204.
- Wyandotte County (Kans.), boundary, XIV, 175; trading-post in, XXII, 251.
- Wyape Indians. See Quapaw.
- Wyatt, John, obtains railroad charter, XXVI, 297.
- Wyaut, Morris in, I, 317.
- Wyeth, Ebenezer, at Mount Auburn (Mass.), XXI, 23.
- Wyeth, Jacob, Sr., erects hotel, XXI, 23.
- Wyeth, Dr. Jacob, Jr., surgeon for expedition, XXI, 30, 42; equipment, 67; illness, 51, 52, 61, 62; deserts party, 65, 72, 88; return, 68, 78, 90, 91; character, 53; sketch, 30.
- Wyeth, John B., joins expedition, XXI, 31; leaves Boston, 34; at Baltimore, 35; Pittsburg, 37, 38; Cincinnati, 40, 41; St. Louis, 43-46; up the Missouri, 46, 47; at first Indian town, 48; Platte

- River, 49-52; Pierre's Hole, 58, 72, 73; abandons expedition, 65, 68, 72; return to St. Louis, 78; to Boston, 97; adventures, 41, 60, 88-95; exaggerations, 13, 42; disparages Oregon, 13, 79, 100-106; testimony to Flatheads, XXVI, 14; *Oregon*, XXI, 21-106; double authorship, 12-14, 16; cited, XXII, 42, 50, 172, 235, 244, XXIV, 12, 116, 149, XXVI, 68, XXVII, 137, 158, 162, 163, 170, 212, 242, 243, XXVIII, 52, 113, 114, 222, XXIX, 31, 159, XXX, 37; sketch, XXI, 12-14.
- Wyeth, Nathaniel J., expedition to Oregon, XXI, 33, 113, XXII, 9, XXVIII, 10, XXIX, 184; organizes, XXI, 12; expedition, 23, 24; second expedition, 73, 141, 287; party, 43, 49, 65, 67, 69; companions, XXIX, 19, 159; engagés, XXIII, 135, XXVIII, 275, 302; route, XXX, 100; on Missouri, XXI, 121, 134; at Walla Walla, 276, 280; Vancouver, 299, 319; Dalles, 280, 285; explores Willamette, 300-302; in frontier forts, 61, XXII, 353; visits Hawaii, 15, 317; boat-wagon, XXI, 32; builds Fort Hall, 210, XXVIII, 306, 307; Wappato settlement, XXI, 319; Hudson's Bay Company opposes, XXVIII, 321; relations with Ashworth, XXI, 255; Bonneville, 203, 204; Ermatinger, XXVII, 235; McKay, XXI, 226; McLoughlin, 308; Pambrun, 280; Townsend, 125, 190, 267; with the Sublettes, XX, 24, XXI, 11, 64, 67, XXIV, 116; Thing, XXI, 326; with Indians, 69-72, 158, 256, 286; adventures and accidents, 36, 69, 159, 174, 240, 241, 245, 251, 252, 268; characteristics, 25, 26, 55, 56, 80, 137, 163, 241, 289, 290, 325, XXVIII, 307; *Journal*, XXI, 34, 49, 58, 60, 64, 181, 192, 229, 319, XXII, 374, XXIV, 116, XXIX, 184; *Memoir on Oregon*, XXI, 16, XXIX, 184; botanical collection, XIII, 14, 15; sketch, XXI, 10-16, 23.
- Wyeth's expedition, financial backing, XXI, 210; origin, 28-30; object, 33; first expedition party 11, 12, 33, 60; personnel, 29, 43, 70, 73; discontent, 41, 42, 64-67; desertions, 48, 49, 65-68, 72, 81; disbanded, 74; re-enlistment, 80; leave Boston, 34; in Baltimore, 34, 35; Pittsburg, 37, 38; down Ohio, 39-42; relations with St. Louis traders, 45, 47, 74; on Missouri, 46; in Independence, 47, 48; on Platte, 49-54; cross Rockies, 54-63; on Lewis River, 60, 61; Salmon, 69, 73, 74; in battle of Pierre's Hole, 69-72; second expedition party, 136, 141, 196, 197, 201, 202, 231, 242, 265, XXX, 193; deserters, XXI, 144, 150, 162, 195, 308; divisions, 211, 230, 237, 264, 276; dress, 176; start, 141-144; on Rockies, 151, 181-197; Bear River, 198-201; Snake, 210; Snake to Boise, 232-249; on Columbia, 264; at Walla Walla, 277; Dalles, 285-292; Vancouver, 295, 299; celebrations, 60, 61, 198, 231, 323; religious services, 228; storms encountered, 142, 176, 177, 286-290, 294; hardships, 149-152, 169, 173, 174, 182, 187, 188, 193, 198, 199, 203, 204, 232-234, 239, 240, 243, 276, 292, 293; losses, 144, 150, 152, 160, 181, 209, 249, 268, 269, 292, 293, 323, 325, 326, 328; accidents, 292; adventure with bear, 185, 186, 204; illness, 51, 56, 61, 62, 264, 334; murder, 324-326, 353-355; hunting, 160, 162, 166-169, 201, 211, 224, 235; fishing, 319; trapping, 318, 319; meet Bonneville, 271, 272; relations with Indians, 145-148, 152, 158, 163, 192, 196, 209, 245, 251-257, 261-264, 267, 268, 271-273, 281-286, 293, 326-328, 354; forts erected, 210, 225, 300, 301, 319, 320; letters from home, 195; ends in failure, 16, 325.
- Wylie, Rev. Andrew, in Washington (Pa.), XII, 202.
- Wyoming (state), described, XXX, 73, 75; boundary, XXI, 63, 199, XXX, 77; mountains in, XV, 252, XVIII, 141; rivers, V, 99, XXI, 197, XXIV, 103, XXVII, 146, XXX, 73; Indians, V, 225, 227, XV, 157; fur trade, XXVII, 137; railway, XXX, 63; Historical Society *Collections*, 74.
- Wyoming County (N. Y.), creeks in, VIII, 153, XXIV, 164.
- Wythe County (Va.), seat, III, 47.
- X. Y. COMPANY, Rocheblave in, VI, 375; clerks, 379; unites with North West, II, 16; absorption, VI, 295.
- Xalapa (Mex.), Pattie in, XVIII, 317.
- Xanthium, burrs, XVI, 37.

Xavier, Francis (Flathead convert). See Saxa, Francis.

Ximenes, Fortuño, on California coast, XXVIII, 30.

YAKIMA INDIANS, kindred, XXI, 302; tribes, XXVII, 377; population, XXIX, 99.

Yale, James, directs Fort Langley, XXIX, 58.

Yale (British Columbia), as a boundary, XXIX, 149.

Yamasee Indians, war with Creeks, XIII, 305.

"Yamhill," steamer, XXX, 167.

Yamhill County (Oregon), as a boundary, XXX, 215; location, 214, 215; butte in, V, 93; settlements, XXX, 174; settlers, 142, 174, 190.

Yampah Ute Indians, French name for, XXVII, 167.

Yams, in Southeastern States, III, 304; as food, VII, 64; article of trade, VI, 211, 227, VII, 59. See also Potatoes, sweet.

Yandal, —, in Wheeling (W. Va.), XI, 171.

"Yankee Doodle," American song, XII, 317, XXII, 45.

Yankees, character, VIII, 253, XI, 118, XII, 15, 93, XXVII, 47, XXVIII, 61, XXIX, 19, 20; characteristics — in general, XXI, 35; good qualities, VIII, 219, XII, 136, XVIII, 327-329, XIX, 333, XXI, 32, 44, 55, 99, XXVI, 238, XXX, 185; bad qualities, XI, 63, 213, XII, 133, XIII, 75, 97, 98, XXVIII, 350; as hunters, 274; pioneers, XII, 110; prejudices against, XI, 40, 282, 283, 300, XIV, 67, 142, XIX, 12, 29, XXI, 35, 36, 46; food, VIII, 268; outwit Brock, 226; influence throughout West, 347; Astorian recruits, VII, 179; Fort Mackinac, 176; Illinois, XXVI, 132; Indiana, XI, 202; Mexico, XX, 173; Oregon, XXIX, 18, 19; West Virginia, XIII, 53; Wyeth, XXI, 144. See also Frontiersmen.

Yankton (Janton, Yanktoan) Indians, Sioux branch, II, 168, V, 103, XIV, 233, XXII, 326; habitat, 305, XXVIII, 153; population, XXVII, 166; vocabulary, XVII, 290-298, 304; dress, XIV, 264; tents, XXII, 304; hostility to whites, VI, 89, XXVII, 150; fur-traders among, VI, 66, 90, XXIX, 367; half-breeds, XXII, 259; Dorion, V, 38; in Sioux agency, XXII, 306; Fort Pierre, 318, 326.

Yankton (S. Dak.), site, XXII, 282.

Yanktonai (Jantonnois, Yanktonan) Indians, Sioux branch, XXII, 370, XXIV, 13; habitat, XXII, 305, XXIV, 85; reservation, XXII, 312, XXIV, 13; population, XXVII, 166; described, XXII, 342, 346, XXIV, 13; portraits, 62; treaty with Mandan, 13, 61; tents, XXII, 342, 343; hostile to whites, XXVII, 150, 151; on "Assiniboin," XXII, 342; trading-post among, XXIV, 48, 54, 63, 85; supplies for, 50; as horse-thieves, 54; near Fort Pierre, 88; in Fort Clark, 56.

Yaquis (Iago) Indians, character, XVIII, 350; mine gold, 149; sketch, 149.

Yarrow, H. C., *Study of Mortuary Customs etc.*, XXIII, 360, 362.

Yatassee Indians, on Red River, XVII, 66.

Yates, A. J., publisher, XIX, 165.

Yeckatapam, friendly to whites, VII, 190, 192, 193; present to, 193, 198.

Yell County (Ark.), source of Petit Jean River, XIII, 171.

Yellow Banks (Ky.). See Owensborough.

Yellow Bear (Lachpizi-Sihrish), on "Assiniboin," XXII, 363; distinction of, XXIV, 32; at medicine feast, 28, 29; paints robe, 32; visits Maximilian, 31.

- Yellow-bird, habitat, X, 291, 292, XV, 321, 326, XXI, 197.
- Yellow-wood trees. See Osage orange.
- Yellow Serpent. See *Peupeumoxmox*.
- Yellow Springs (Pa.), Maximilian in, XXII, 134.
- "Yellowstone," trading vessel, XXI, 83; construction, XXII, 240; cabins, 282; cargo, 327; equipment, 235, 246, 248; fuel, 314; accidents, 245-249, 252, 255, 261-263, 276, 279, 290, 300, 301; at St. Louis, 237; course, 291; on Missouri River, 238, 286, 302; at Fort Leavenworth, 255; Fort St. Joseph, 257; Bellevue, 267; Cabanné's Post, 275; "Assiniboin" passes, 294; salutes agency, 303; in New Orleans, 231; McKenzie on, 311; Maximilian, 14, 15; sketch, XXI, 46; view of steamer, XXV, 37.
- Yellowstone expedition, purposes, XV, 216; account of, XIV, 9; Atkinson with, XXII, 229; riflemen, XIV, 168; erects fort, XXII, 275; on Cow Island, XIV, 12; wintering place, XXII, 267; accidents, XIV, 14; arrested by Congress, 13; abandoned, 25.
- Yellowstone National Park, boundary, XVIII, 142, XXIX, 336; surroundings, XXVIII, 305; geological formation, XXI, 200; rivers in, XXIII, 197, XXVII, 323; first white man in, V, 44; Bridger in, XXVII, 299.
- Yerba Buena (Cal.), Ermatinger in, XXVII, 235. See also San Francisco.
- Yew trees, abundant, XXIX, 166.
- Ymus (Mex.). See Guaymas.
- Yoakum, H., *Texas*, XX, 230.
- York, Clark's negro servant, XIV, 287.
- York (Ont.), capital of Upper Canada, VIII, 228; battle at (1813), 280, XIX, 175; Niagara heard at, 145.
- York (Pa.), origin, X, 330; road to, III, 133, 369, IV, 34, X, 35; population, III, 138, 369; record office, 370; wine manufacture near, XXII, 78; Germans settle, III, 138; Harris in, 369, 373; Hulme, X, 82; Michaux, III, 50-52.
- York County (Pa.), settlement, III, 50, 51.
- York Factory (Hudson Bay), headquarters of fur company, XXIX, 54; brigade from, 260, 262; described, VI, 377; Manson at, XXIX, 284.
- Yorktown (Va.), battle of (1781), IV, 29.
- Youngmas (Mex.), shipping port, XVIII, 153; Pattie in, 202.
- You-hah. See Tchatka.
- Young, Capt. —, in North Carolina, III, 56, 100, 104.
- Young, Maj. —, in Washington, XII, 108.
- Young, Capt. B., commands "Yellowstone," XXI, 46.
- Young, Bennett H., *Battle of Blue Licks*, IV, 175.
- Young, Brigham, succeeds Joseph Smith, XXVI, 358; settlement, XXVIII, 18; entertains De Smet, XXIX, 371; sketch, 371, 372.
- Young, Edward, English poet, X, 97, 168.
- Young, Ewing, trapper, XX, 23, XXX, 174; expedition to Oregon, XXI, 24; in Willamette valley, 329, XXVIII, 91, XXIX, 26, 27, XXX, 169; sketch, XX, 23.
- Young, F. G., *Wyeth's Journals*, XXI, 34.

- Young, Joachim, Oregon claim, XX, 24.
- Young, John, governor of Sandwich Islands, VI, 213, 214, VII, 59.
- Youngblood, Gen. —, in Charleston, XI, 65, 66, 70, 73.
- Young White Hair, Osage chief, V, 62.
- Youngstown (N. Y.), described by Flint, IX, 321.
- Yuayaves, Indian bread, XX, 66.
- Yucatan, Gulf Stream on, VIII, 361; Indians in, XIII, 179.
- Yuccas, habitat, XV, 291; abundant, XVI, 23, 156, XXIV, 94; scarce, XVI, 156; *angustifolia*, V, 318, XVI, 126; *filamentosa*, XXVII, 255.
- Yuma (Club, Umene) Indians, habitat, XXVIII, 260; population, 261; stature, XVIII, 195; described, 131, XXVIII, 260; language, XVIII, 136; with Cocopa, 199; relations with United States, XXVIII, 261; with Pattie's party, XVIII, 188-192.
- ZACATECAS (Mex.), part of New Spain, XIX, 258; Oñate in, 259; insurrection, XX, 169, 170, 174-176; commercial importance, 225, 226; American traders, XIX, 160; dragoons, 276; Gregg, XX, 172, population (1835), 174; described, 174, 179.
- Zambos, not found in New Mexico, XIX, 287.
- Zane, Ebenezer, founder of Wheeling, III, 33, XI, 169.
- Zane, Elizabeth, Revolutionary heroine, III, 33.
- Zane, Jonathan, founder of Ohio towns, IV, 125, 222, 226, 233, XI, 176.
- Zane family, landed proprietors, IV, 113, 114.
- Zanesville (Ohio), origin of name, XI, 182; location, XII, 18; road to, IV, 224, X, 71, 76, XII, 205, 270, XIII, 51, XIV, 60, XXI, 39, XXIV, 152; view of bridge, XII, 277; state capital, IV, 216, population, 225, XI, 173; described, IV, 125, 226, X, 72, 73, XI, 173, 174; coal-mine near, V, 275; trade in, IV, 51; prices, X, 73; rates, 75; books in, XI, 265; Cuming visits, IV, 8, 225; Faux, XI, 13, 173-176; Monroe, VIII, 79; Newell, XXX, 179; Welby, XI, 16.
- Zanthoxylon, clava herculis*, XIV, 156; *fraxineum*, XV, 177.
- Zeisberger, David, Moravian missionary, I, 187.
- Zenoni, —, fur-trader, XIV, 277, 278.
- Zeolite, two varieties, XVII, 230.
- Zerbinati, Father Pietro, missionary to Oregon, XXIX, 139, 300; parting with De Smet, 177.
- Zia (Cia) Indians, sketch, XIX, 269.
- Zigadenus elegans*, collected by James, XV, 312.
- Zimmerman, —, cited, XXVIII, 293.
- Zinc, mines in New Mexico, XIX, 303, 310; sulphuret (blende), described, XVII, 234; observed by Nuttall, XIII, 67.
- Zingomene Indians. See Spokane.
- Zinzendorf, Nikolaus Ludwig, Count of, Moravian bishop, I, 177; in Bethlehem (Pa.), 185; names Bethlehem, XXII, 77.
- "Zip Coon," antelope with Wyeth, XXI, 179, 187, 188, 205, 206.
- Zizania miliacea*, habitat, XIV, 289; observed by Nuttall, XIII, 269.

Ziziphora, hedeoma pulegioides, III, 29.

Zoar (Ohio), settled, XXIV, 154, 155; described by Maximilian, 155, 156.

Zoology, XIX, 73, 74; collections, III, 69; zoologists with Long, XIV, 11.

Zoophytes, observed by Nuttall, XIII, 41, 43, 172, 229, 230; habitat, XXIV, 129; tessellated, XIV, 58.

Zuloaga, —, in Chihuahua, XX, 161.

Zuñi Indians, stock, XIX, 266, XX, 56; trail, 69; population, 56.

Call no.

F

592

T54

v.32

Accession no.

261804

